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Season
1936

LIEFGREEN

SEED CATALOG



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GARDEN TOOLS • POULTRY SUPPLIES
INSECTICIDES • FERTILIZERS

LIEFGREEN SEED COMPANY

339 W. VAN BUREN

Phoenix • • • • Arizona

The management has been selling seeds for nearly thirty years and we hold the confidence that many thousands of people place in us as our most valued possession. It has been earned by the most painstaking care in buying the best seeds we know how to procure, and never to recommend anything that we do not feel is just as represented. We have made mistakes, of course, but have never intentionally sold any seeds that we had any reason to think were not as good as they should be.

We Solicit an Opportunity to Merit Your Confidence

Liefgreen's Superior Flower Seeds

Flowers beautify the home. They are essential to happiness and the small cost expended for them will bring enjoyment and satisfaction to the purchaser. The flower seeds we offer are the best strains of the best varieties which are thoroughly adapted to our climatic conditions by actual trial tests. We buy the finest quality that money can buy from the most reliable growers, and no home is really complete without a flower bed grown from LIEFGREEN'S Selected Flower Seeds.

Light, rich, loamy soil is best suited to flowers. If the soil is of a heavy nature add sand and barnyard fertilizer and a liberal scattering of air-slacked lime to form a better texture. Prepare the soil as fine and smooth as possible. The depth of planting flower seeds is very important. Very fine seeds should be planted on the surface and pressed into the soil, then sprinkle over the surface a light mulch of finely sifted manure or silt. This will keep the soil from crusting and aid germination. Medium sized seeds should be planted $\frac{1}{4}$ to $\frac{1}{2}$ inch deep, while larger seeds such as Sweet Peas, should go deeper. A light mulch should be spread over all seeds planted, as it is the best method of keeping the soil moist and cool. Water with a fine spray to avoid washing the soil from the seeds. When large enough, thin young plants from 2 to 12 inches apart, depending on the variety. Give them plenty of room to develop, allow plenty of moisture and good drainage and the results will surprise you.



Aster.

African Daisy

(*Dimorphotheca Aurantiaca*)

This showy annual has become a great favorite on account of its easy culture and beautifully colored flowers. They make a very brilliant effect when used for massing or for borders. Plant during the early Fall and Winter months.

AURANTICA—Brilliant Orange. Pkt., 10c.

HYBRIDS—Mixed colors. Pkt., 10c.

Antigonon Leptopus

Sometimes called Queen's Wreath and Rosa de Montana. A lovely vine bearing quantities of rose pink flowers in wreaths. Blooms in summer and fall. Thrives in hot sunny situations and if cut down by frost will come up again in spring. Pkt., 15c.

Asters

Sow Asters in boxes and hot beds in January and transplant out doors as soon as weather conditions allow. Asters are better suited to the higher altitudes of Arizona.

AMERICAN BEAUTY (Early Flowering)—This is a new type of Aster, exceptionally valuable for its earliness and long flowering season. We have the following colors: Crimson, Lavender, Pink, White and Mixed. Per Pkt., 15c.

Aquilega

(*Columbine*)—A hardy perennial of graceful habit, growing about two feet high. The flowers are attractive and beautifully adapted for cut flowers. They may be successfully grown in partial shade. Fall sown seed will bloom the following Spring. Thrives well in Arizona. Double Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Anemone

(Wind Flower)

GIANT FRENCH SINGLE MIXED — Easily grown from seed as well as from bulbs. Sow in the Fall or in the Spring, covering the seed lightly with a mulch of sand and finely pulverized fertilizer. Pkt., 10c.

Ageratum

BLUE PERFECTION — Fine for borders. Pkt., 10c.

Amaranthus Caudatus

(Love Lies Bleeding)

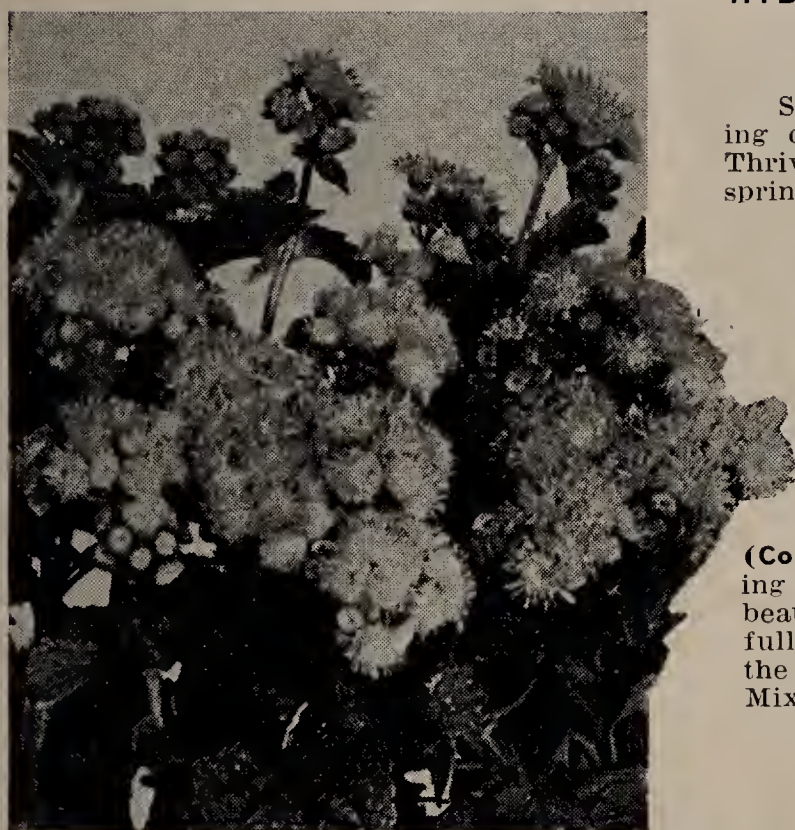
Splendid plants for a tropical effect in mixed borders and shrubbery. Flowers in long drooping panicles, bright crimson. Height, two feet. Pkt., 10c.

Anntirrhinum

(*Large Tall Flowering Snapdragon*) Snapdragons are one of the most valuable and decorative flowers. Can be easily grown from seed; thrive in any soil and bloom freely. Plant in the open in the Fall or Spring months. If cut back during the Summer the plants will bloom for several years. We offer the following colors in the tall Mammoth flowering types: Pure White, Scarlet, Yellow, Bronze, Rose, Pink, Maroon and mixed colors. Mixed, Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.00. Straight colors, Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.50.



Snapdragon.



Ageratum.

Bean

(Scarlet Runner.)

A popular climber with scarlet flowers. Pkt., 10c.

Alamo

(Mile a Minute Vine)

A very fast growing and beautiful vine. Plant in the Spring. Pkt., 10c; per oz., 25c.

Castor Bean

(Ricinus)

Very ornamental large-leaved variety. Excellent for shade and for grouping. Plant in the Spring after all danger from frost. Pkt., 10c; oz., 15c.

Canterbury Bells

A hardy perennial. Will bloom the first Spring if planted early in the Fall. Mixed colors. Pkt., 10c.

Arctotis

GRANDIS—Half hardy annual bearing daisy-like flowers. Color pearl white with mauve center. Height 2 ft. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

PRICES LISTED ARE POSTPAID EXCEPT AS NOTED.

COMPLETE SUPPLY HOUSE FOR THE FARMER

Sweet Alyssum

Without a doubt the best border plant we have. Very hardy and blooms throughout the Fall, Winter and Spring months.

LITTLE GEM—Very dwarf and a profuse bloomer, making a solid mass of white all winter. Pkt., 10c; ½ oz., 25c; oz., 40c.

SAXATILE (Basket of Gold)—A hardy dwarf variety bearing a profusion of golden yellow flowers. Pkt., 10c; ½ oz., 30c; oz., 50c.

LILAC QUEEN—Good compact habit and a very pretty deep lavender lilac in color. Pkt., 10c; ½ oz., 30c; oz., 60c.

DWARF MIXED—A blend of the dwarf varieties which makes a beautiful border. Pkt., 10c; oz., 40c.

Australian Pea Vine

(Dolichos Lignosis)

Climber. Rose and purple color. One of the best climbers for a hot, dry climate. Pkt., 10c.

Acroclinium

(Everlasting Flower)

Hardy annual everlasting flowers, white and self pink with golden centers. Should be cut the first day they open. Double mixed pink and white. Pkt., 10c.

Asparagus Fern

PLUMOSUS—A tender perennial for green-house or potted plant use, with long, fine feathery foliage. The sprays when cut, retain their freshness in water from three to four weeks. Seeds start slowly and should be soaked in water before sowing. Pkt., 10c; 100 seeds 50c.

SPRENGERI—A hardy variety. Used as a pot plant. Suitable in groups of potted flowers or in hanging baskets. Pkt., 10c; 100 seeds, 45c.

Balloon Vine

A climbing annual. Bears a pretty inflated capsule resembling a balloon. White and green. Pkt., 10c.

Balsam Apple (Momordica)

A climbing annual with graceful and ornamental foliage; yellow flowers and warted yellow fruits. Thrives in hot weather. Pkt., 10c.

Balsam (Lady Slipper)

A tender annual used for beds and borders. The foliage is brittle and the wax-like single and double flowers are very attractive. Height two feet. Plant in March, April and May. Mixed colors. Pkt., 10c; ¼ oz., 25c.



Sweet Alyssum.

Calendula (Pot Marigold)

One of our most popular Winter flowers and very easily grown. Valuable as a cut flower. Plant from September throughout the Winter months. Space plants about 12 inches apart.

New Calendula Shaggy

(Orange Colored Shaggy)

The new Calendula Orange Shaggy is a distinct new break in Calendulas. The petals are long, deeply fringed or laciniated. Row upon row of these informal petals overlap each other, forming a Chrysanthemum-like flowers of surpassing beauty. In color it is a warm, deep orange. Pkt., 20c; ¼ oz., 50c; oz., \$1.50.

LIEFGREEN'S ORANGE KING—A splendid Calendula. Bright orange red with dark center. Flowers fully three inches in diameter when properly grown. We can recommend this variety as the best Calendula grown. Insist on our improved types. Pkt., 10c; oz., 40c.

LEMON QUEEN—Like Orange King, excepting the color is Pure Lemon. Pkt., 10c; oz., 40c.

RADIO—A novel and attractive addition to Calendula group. Deep orange in color with petals evenly and prettily frilled. Pkt., 10c; oz., 50c.

CAMPFIRE—A superb variety, color deep fiery orange. Pkt., 10c; oz., \$1.00.

DOUBLE MIXED CALENDULA—A splendid mixture of the various shades of lemon and orange. Pkt., 10c; oz., 30c.



Candytuft.

Cardinal Climber

One of the best climbing plants for hot, dry weather. Grows to a height of 30 feet, with attractive green foliage covered with bright Cardinal Red flowers. Soak seed in hot water over night. Pkt., 15c.

Canna

Grows three to six feet tall. Bright colored flowers and ornamental leaves suitable for beds and backgrounds. Soak seed in water several hours if planted during the Spring and Summer months. If planted in the Fall months, plant without soaking.

CROZY'S BEST MIXED—Pkt., 10c.

Chrysanthemum

Annual. A very showy mixture, containing the most popular shades. Double Mixed—Pkt., 10c.

Calliopsis

Showy and beautiful free flowering annual of easy culture, thriving in most any location, and blooms all Summer. Excellent for cutting and massing. Plant from September to May. Bi-Color—Dwarf mixed. Pkt., 10c; oz., 40c.

Candytuft

One of our best plants for edging, bordering and for cutting. A hardy annual, bearing large flower clusters during the Spring season. Plant from September throughout the Winter and early Spring months. Height about 12 to 18 inches.

UMBELLATA—White, Pink, Crimson, Lavender and Mixed. Pkt., 10c; oz., 40c.



Calendula.

PRICES LISTED ARE POSTPAID.



Carnation.

Cosmos

Early Mammoth Flowering. Sow seed early in the Spring. When the plants are about 12 inches high pinch the tops back to make them branch.

EARLY MAMMOTH—Pink, Crimson and White—Pkt., 10c; ¼ oz., 25c; oz., 60c.
EARLY MAMMOTH MIXED—Pkt., 10c; ¼ oz., 20c; oz., 60c.

EARLY DOUBLE CRESTED COSMOS—A beautiful double or crested center Cosmos. Flowers are very large and make a striking appearance. About 75 per cent of the plants will produce crested flowers. Mixed colors—Pkt., 15c; ¼ oz., 60c.

KLONDIKE COSMOS—Bloom in the Fall of the year. A handsome flower of brilliant orange yellow, very large. Thrives well in Arizona, but requires a long growing season. Plant early in the Spring. Pkt., 15c; ¼ oz., 50c.

Orange Flare

(Grand Champion gold medal winner 1935, All American competition.) This new Cosmos is destined to become a great favorite. It has the same vivid orange flower and light green foliage as the Klondike Cosmos, but is much earlier blooming from seed in less than five months. Pkt., 20c.

Chinese Woodflower

As the name suggests, the flower resembles huge balls of wood. When cut, if hung head down until dry, it makes a beautiful everlasting flower. Easily grown. Plant in early Spring. Mixed colors—Pkt., 15c.

Dianthus

(Chinese Pinks)

Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the Fall in rows where plants are to remain, and thin.

DOUBLE HEDDEWIGI MIXED—Pkt., 10c; ½ oz., 50c.

SINGLE HEDDEWIGI MIXED—Pkt., 10c; ½ oz., 40c.

Shasta Daisy (Alaska)

This is the finest variety grown. The flowers are very large and splendid for cutting. Plant in early Fall or Spring. Soak seeds overnight in warm water before planting. When plants attain the proper size transplant in permanent bed, allowing about 12 inches between plants. Pkt., 10c.

Delphinium (Perennial Larkspur)

Beautifully hardy border perennials with noble spikes of handsome flowers; very useful for cut flowers, etc. Sow in the Spring or early Fall in the open ground.

GOLD MEDAL HYBRIDS—The finest hybrids to be found in Delphinium and all the lovely blues, lavenders and mauves in this mixture. The plants are vigorous growers, producing full, handsome spikes. Pkt., 15c.

Carnation

Plant from September until April. Cover the seed lightly and protect until established. Transplant to about 12 inches apart in permanent location. Light shade is best suited to Carnations.

MARGUERITE MIXED—Mostly double flowers. Pkt., 10c; ¼ oz., 60c.

Centaurea

Commonly called Bachelor Button or Corn Flower. Plant during Fall and Winter months. Very easily grown and a great favorite as a cut flower. Height from 12 to 24 inches. Mixed Colors. Pkt., 10c; oz., 40c; Florists' Blue—Pkt., 10c; oz., 60c.

Celosia Cristata

(Cockscomb)

Annual. Plants are very ornamental and strong growers, producing magnificent combs of velvety flowers. Of easy garden culture and very attractive. Plant in early Spring.

TALL MIXED—A mixture of rich velvety colors. Pkt., 10c; ¼ oz., 65c.

Celosia Plumosa

(Feathered Cockscomb)

A very fine selection of the Feathered Celosia containing many pleasing shades of color ranging from pale yellow to the deepest crimson. Mixed Colors—Pkt., 10c.

TALL CRIMSON—Brilliant crimson combs borne on stems about 2 feet tall. Pkt., 10c; ¼ oz., 35c.

Celosia Mixed

A mixture of the Feathered and the Cristata Celosia. Many pleasing colors. Pkt., 10c.



Cockscomb.



Centaurea—Corn Flower.

Coriopsis

(Lanceslata Grandflora.)

Very hardy, growing in most any location. The golden yellow flowers continue to bloom throughout the entire season. Excellent for cutting. Sow seed in the Fall and throughout the Winter months. Pkt., 10c; oz., 50c.

New Coreopsis Double

What an improvement this variety is over the semi-double of a few years ago. A double that has not lost a bit of the grace and beauty this flower has always possessed, producing almost a continual supply of worthwhile yellow flowers that are readily adaptable to most any type of floral arrangement. Pkt., 10c; ½ oz., 75c.

Clarkia

An annual of easy culture and very hardy. Thrives in sun or shade. Plant in Fall or Spring. Height, 18 inches. **Double and Single Mixed.** Pkt., 10c.

Dahlia

Sow seeds in beds and transplant to permanent location. **Double Mixed**—Pkt., 25c.

Digitalis (Fox Glove)

Particularly adapted to the higher altitudes of Arizona. Will do well in warmer sections when planted in partial shade. Pkt., 10c.

Double Daisy

(Bellis Perennis)

A hardy perennial which blooms freely in cool weather. Excellent for border, as it grows about four inches high. Plant early in the Fall. **Mixed colors**—Pkt., 10c.



Double Coreopsis.

Didiscus Coeruleus (Blue Lace Flower)

Attractive annual plants with beautiful long-stemmed, pale lavender flowers that resemble lace. Grows about 18 inches high. As the seed germinates slowly, a light mulch over the surface would be beneficial. Pkt., 10c; 1/4 oz., 50c.

Dolichos (Hyacinth Bean)

Climber. Splendid annual climber; clusters of purple and white flowers, followed by ornamental seed pods; 10 feet high. Plant in the Spring. All colors. Mixed. Pkt., 10c; oz., 30c.

Euphorbia

VARIAGATA (Snow on the Mountain)—Very pretty annual plant with white and green edged foliage. Easy to grow. Height 2 feet. Pkt., 10c.

HETEROPHYLLA (Annual Poinsettia)—This annual grows 3 feet high and resembles the Poinsettia. The glossy green leaves turn to a beautiful orange-scarlet in midsummer. Pkt., 10c

Evening Primrose

A tall growing plant bearing an abundance of large yellow flowers which expand in the evening. May be planted in partial shade. Sweet scented. Pkt., 10c; oz., 25c.

Forget-Me-Not (Myosotis)

A perennial with small blue star-like flowers in clusters. Plant in the early Spring months and transplant to a cool, moist location. Pkt., 10c.

Four o'Clock

A hardy annual of easy culture growing about two feet tall. Very free flowering, bearing blooms of a great variety. Plant during the early Spring months. Pkt., 10c; oz., 30c.

Gaillardia

There is nothing more admired for their rich blending of colors than the Gaillardia. They thrive everywhere and their colors are very gorgeous. The plants grow from one to two feet high and the double daisy-like flowers are very fine for cutting. Will bloom all Summer. Single and Double Mixed. Pkt., 10c; oz., 75c.

THE DAZZLER—A charming new Single Gaillardia of immense size. Pkt., 20c; 1/4oz., 50c.

Gerbera (Jamesonii Hybrids)

Large daisy-like blossoms with flower stems rising to a height of about two feet. Is also called Transvaal Daisy. Colors range from white to crimson, pink, rose, yellow and lilac shades. Flowers both Summer and Winter. Start carefully under a light mulch in a sandy, well-drained soil if possible. Pkt., 15c.

Geranium

Geraniums will bloom the first year from seed if planted early in the Fall. Our mixture contains numerous shades of color, including many of the newest sorts. Pkt., 15c.



Gaillardia.



Shasta Daisy.

Geum (Mrs. Bradshaw—Double Red)

A beautiful hardy perennial producing flowers in profusion all Summer. An excellent keeping cut flower, having long stems. Large bright orange scarlet double flowers. Pkt., 15c.

Godetia (Tall Double Mixed)

Quick growing and profuse flowering hardy annual of showy colors. Easily grown. Sow seed early in open ground in the Fall months. Pkt., 10c; oz., 50c.

Gypsophila (Baby Breath)

Pretty free flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. Sew during the Fall and Winter months.

ELEGANS GRANDIFLORA—Pure White — Pkt., 10c; oz., 25c.

GYP SOPHILA — Elegans Carmine — A beautiful deep carmine color. Fine for cutting and bouquets and very lasting. Plant same as the white. Pkt., 10c; oz., 35c.

Gourds

MIXED VARIETIES—Strong climbing plants producing many odd shapes and ornamental gourds. Pkt., 10c; oz., 45c.

Gomphrena (Globe Amaranth)

EVERLASTING FLOWER—A very attractive globe-shaped flower resembling a clover blossom which, when cut and dried, holds its shape and color. Grows about two feet tall and thrives and blooms throughout the hot Summer months. Mixed Colors—Pkt. 10c; oz., 50c.

Helichrysum (Straw Flower)

A free flowering hardy annual, bearing beautiful straw-like flowers in a great variety of shades and colors. To preserve, cut when partly open and hang with heads down until dry. Pkt., 10c; oz., 60c.

Humulus (Japanese Hop)

A rapid growing ornamental climber covering arbors, trellises, etc., in one season. The foliage resembles the common Hop and is very luxuriant, making a dense vine. Will stand extreme heat and remains green until frost. An annual.

JAPONICUS—Green foliage, Pkt., 10c; oz., 50c.

Hunnemannia

(Mexican or Giant Yellow Tulip Poppy)

FUMARIAEFOLIA—A perennial, flowering the first year from seed and blooming through the greater part of the season. The poppy-like flowers are similar to the California poppy but of a lighter canary yellow. They are excellent for cutting, keeping a long time in water. Pkt., 10c; 1/2 oz., 45c.

Hollyhocks

One of the most majestic and desirable of hardy perennial plants, and a clump or line in any garden gives an effect not attainable with any other plant.

EXTRA DOUBLE FLOWER-MIXED—Seed for this mixture is saved from the very finest extra double flowers only. The best and most gorgeous colored. Pkt., 10c; 1/4 oz., 25c.

HOLLOYHOCK CHATERS—Superb double. Separate colors in Newport pink, white, yellow and crimson. Pkt., 10c; 1/4 oz., 40c.



Lupins.

Lantana

A perennial growing from two to three feet high. Grows to a hedge-like plant bearing clusters of verbenalike flowers. Very attractive. Plant seed in February, March and April. The seed will lay in the ground a long time before germinating. When large enough, transplant to permanent beds. Mixed colors, containing Scarlet, Orange, White, Yellow, Rose, etc. Pkt., 10c; oz., 60c.

Morning Glory

Free flowering beautiful climbers with rich and varied colored flowers, very useful for covering lattice work, verandas, etc., where they are exceedingly effective. Soak the seed for several hours in warm water before planting. Plant after all danger of frost.

MAJOR TALL MIXED—Attains a height of 15 feet or more, and comes in shades of Rose, Crimson, Blue and White. Pkt., 10c; oz., 25c.

IMPERIAL JAPANESE MORNING GLORY—The best Morning Glory for strong growth and varying colors. Height, 15 to 20 feet. Pkt., 10c; oz., 25c.

MORNING GLORY, HEAVENLY BLUE—Deep pure sky blue flowers. Makes an unusually attractive vine. Pkt., 15c; ¼ oz., 40c.

Kochia

(Summer Cypress, Kochia Childsi.)

A highly ornamental annual, having a cypress-like appearance. Its bright autumn coloring has given it two other names. "Mexican Fire Plant" and "Burning Bush". Plant during the Spring months. Pkt., 10c; oz., 30c.

Moon Flower

(Ipomoea)

Splendid rapid growing climbers. The flowers are beautiful and varied and resemble giant Morning Glories. The foliage is luxuriant and makes a growth of 10 to 30 feet a season. The seed of the Moon Flower should have the outer shell punctured and then soaked in water for twelve hours or more to germinate it. Plant during Winter and Spring months. Large Blue—Pkt., 10c; oz., 60c; Large White—Pkt., 10c; oz., 60c.

Kudzu Vine

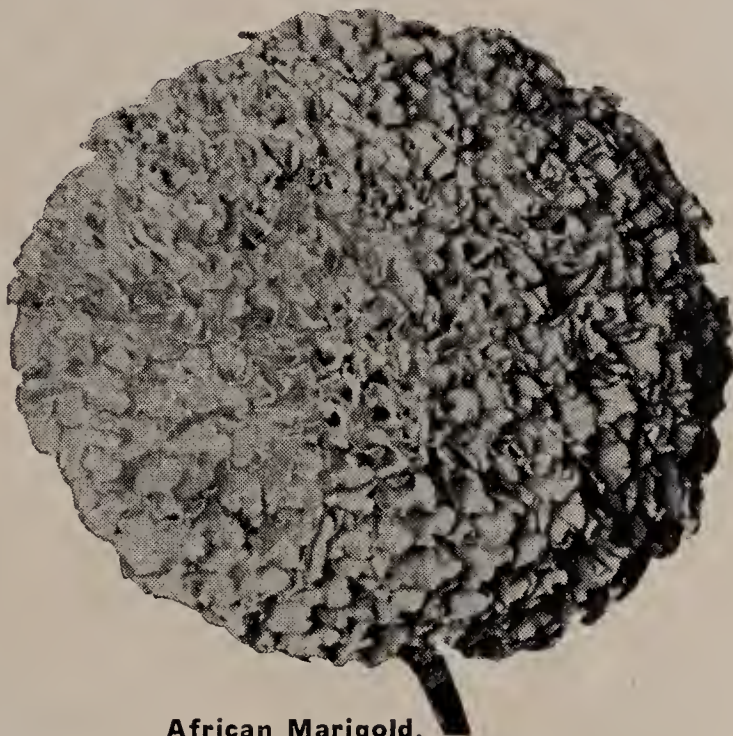
PUERARIA THUNBERGIANA—One of the most rapid-growing vines known. Will grow 50 feet in one season. Slow in germinating; soak seed in hot water over night. Flowers are pea-shaped and rosy purple in color. Pkt., 10c; oz., 60c.

Larkspur

LIEFGREEN'S GIANT DOUBLE STOCK FLOWERED—This is the finest strain of Larkspur in existence. The flowers are very double and are produced on long stems which makes them excellent cut flowers. They are very easily grown and no other flower will produce a greater show of blooms. At their best when planted in October and November, but can be planted all Winter. Remember to keep the seed beds moist, as it takes several weeks for the seed to germinate.

LIGHT BLUE, DARK BLUE, ROSE PINK, LILAC, WHITE AND MIXED COLORS. Pkt., 10c; ¼ oz., 25c; oz., 75c.

LUSTROUS CARMINE—A beautiful glowing Carmine. Produces large flowers on long graceful stems, making very attractive bouquets. Pkt., 10c; ¼ oz., 25c; oz., 75c.



African Marigold.

Marigold

For Summer Blooms

The Marigold is a hardy annual growing from six inches to 2½ feet tall. Flowers in various shades of yellow and orange. Very useful for bedding and for borders. Plant after all danger of frost is over. Cover the seed about one-eighth inch deep and when up thin out to ten or twelve inches apart.

TALL AFRICAN DOUBLE ORANGE—Beautifully formed flowers of gigantic size and bright color. Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

TALL AFRICAN DOUBLE LEMON—A pure citrus yellow. Large flower. Pkt., 10c; ¼ oz., 40c; oz., \$1.50.

TALL AFRICAN DOUBLE MIXED—The above colors mixed. Pkt., 10c; ¼ oz., 30c; oz., 75c.

DWARF DOUBLE FRENCH MIXED—Flowers much smaller than the African. Grows about ten inches high and greatly prized for bedding. Pkt., 10c; ¼ oz., 20c; oz., 50c.

GUINEA GOLD—The flowers of this exquisite Marigold are loosely ruffled, semi-double and of medium size. The color, a brilliant golden orange, is not found in any other Marigold. As a cut flower it is ideal, especially for bowl arrangement if grown without disbranching. Pkt., 15c; ¼ oz., 50c.

PRICES LISTED ARE POSTPAID.

Linum

(Scarlet Flax) **Grandiflorum Rubrum.**

A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds or borders and is largely used for cut flowers. Scarlet Flax makes a fine Fall and Winter flower, blooming profusely for several months. May also be sown in the Spring. Height 1½ to 3 feet. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

PERENNE (Blue Flax)—Slender growing hardy perennial producing a profusion of light blue flowers. Height 2½ feet. Pkt., 10c.

Linaria

(Baby Snapdragons)

A pretty garden annual deriving its name from its resemblance to the Snapdragon. Easily grown and are attractive as cut flowers. Plant during the Fall, Winter and Spring months. Height two feet. Our mixture is made up of blue, rose, lavender, yellow, etc. Pkt., 10c; oz., 50c.

Lupin

One of the most attractive and easiest grown flowers. The plants grow two to three feet high and have handsome spikes of flowers which are fine for cutting. If the plants are not allowed to go to seed they flower for several months in the Spring. Plant during the Fall, Winter and Spring months. Plants should be thinned out to about 12 inches apart, as they grow quite large.

HARTWEGI—Dark Blue, Sky Blue, Roseous Pink and Mixed Colors. Pkt., 10c; oz., 30c.

Mignonette

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the Fall, Winter and Spring months. Easily grown.

GIANT MACHET, Mixed—Pkt., 10c; oz., 30c.



Double Larkspur.

Nasturtiums

A favorite flower and very popular because of the great variety of colors and easy culture. Plant in February and March for Spring flowers and early in the Fall in protected places.

LIEFGREEN'S SPECIAL TALL MIXTURE—This mixture contains the choicest colors of the Tall Nasturtiums, the rich, velvety varieties, and the new hybrids. The flowers are much larger than the old-fashioned kind. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

LIEFGREEN'S SPECIAL DWARF MIXTURE—This superb mixture will give a larger variety of colors in even proportions than any other Nasturtium mixture. Put up by ourselves from named sorts, and contains many of the new varieties. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

New Double Sweet-Scented Nasturtium

GOLDEN GLEAM—A unique novelty in Nasturtiums. The plant forms a vigorous, large bush which throws out runners averaging 18 inches. The flowers are double, delightfully fragrant and of an attractive golden yellow color. When at full bloom the entire plant is a blaze of color. Pkt., 10c; oz., 25c.

SCARLET GLEAM—Bodgers Double Sweet Scented Scarlet Gleam. Dazzling in color, delightfully sweet scented, superior in type, extra large flowered, indescribably lovely. Pkt., 15c; ¼ lb., 25c.

GLORIOUS GLEAM HYBRIDS — Bodgers Double — Finest Mixed. The same in habit and growth as Golden Gleam and Scarlet Gleam. An even balanced color range of a glorious assortment of brilliant shades. Pkt., 15c; ¼ oz., 25c.

Nicotiana or Flowering Tobacco

A hardy annual growing three or four feet high and of branching habit. The plants are covered with the slender tubular flowers all Summer. They may be used as a background or as single specimens. Popular for its evening fragrance.

SANDERAE MIXED — A new, large, flowering type, with various bright-colored blossoms. Pkt., 10c; ¼ oz., 30c.

Nemophila

A hardy California annual growing about six inches high. The blossoms are cup-shaped and the colors are blue, white, lavender and spotted. The seed may be sown from October to March and is very valuable for carpet bedding.

INSIGNIA — (Baby Blue Eyes) — Sky blue, with white eyes. Pkt., 10c; oz., 25c.

Nigella

(Love-in-a-Mist)

A hardy annual, one foot high, with finely cut foliage. Oddly shaped blossoms in blue and white and curious seed pods. Of easy culture.

MISS JEKYLL—Long stemmed flowers which are of a clear corn-flower blue; elegant foliage; height, 18 inches. Pkt., 10c.

Passion Flower

A hardy perennial climber, very satisfactory for immense growth, as it will cover a porch or small cottage in one season. Pkt., 10c.



Giant Ruffled Petunia.



Nasturtiums.

Petunias

For garden culture few flowers equal the Petunia in effectiveness. They are especially beautiful for borders and solid beds. They commence blooming early and will bloom throughout the Spring and Fall months. Start planting in September and throughout the Winter and Spring months. Scatter the seed thinly on an even surface and cover with a light layer of sand or manure mulch. Thin out plants to allow sufficient room for growth.

PETUNIA—Striped and Blotched—A good Petunia for massing in beds and borders, yielding a profusion of brilliantly marked flowers. Pkt., 10c; ¼ oz., 45c.

PETUNIA—Improved "Rosy Morn"—The flowers are produced in greatest abundance throughout the Summer and Fall; they are of a lovely clear pink color, contrasted by a broad white throat. Plants form neat compact bushes. Splendid for beds and porch boxes. Pkt., 15c ⅓ oz., 60c.

PETUNIA—Giants of California—The finest large flowering strain of single Petunias. Magnificent flowers of extra large size, often measuring five inches in diameter, with very deep throat beautifully veined to the base. Pkt., 25c; 1/64 oz., \$1.50.

PETUNIA—General Dodds—A rich, blood-red; this is a fine color. The flowers are large and erect and the plants large and free blooming. Pkt., 15c; ⅓ oz., 60c.

PETUNIA—Nana Erecta Violacea—A new strain. This is a fine deep violet; the texture of the flowers is like velvet and the plant growth erect and compact, like all of this class. Pkt., 15c; ⅓ oz., 60c.

Poppies

Probably no class of plants enjoys greater popularity and is more widely grown than the Poppies. The wonderful range of brilliant colors of their delicate, gracefully borne flowers is well known.

California Poppy.

The Poppies are quite hardy and the seed should be sown during the Fall months in a location where the plants are to flower as they do not transplant easily.

CALIFORNIA POPPY—Golden West—Yellow, with orange center. Large flower. Pkt., 10c; oz., 35c.

CALIFORNIA POPPY—Brilliant Mixed—A mixture of all the various shades. This mixture makes a very beautiful display of color. Pkt., 10c; oz., 40c.

GIANT SHIRLEY POPPY—No flower is so exceedingly graceful and decorates our gardens with such brilliancy of color as this Poppy. Plants about 18 inches tall. Pkt., 10c; ½ oz., 25c; oz., 40c.

PEONY-FLOWERED—Imposing double globular flowers resembling double Peonies. Splendid range of colors. Mixed—Pkt., 10c; ½ oz., 25c; oz., 40c.

PEONY-FLOWERED DOUBLE—Shrimp Pink. Pkt., 10c; oz., 50c.

PEONY-FLOWERED DOUBLE—Cardinal Red. Pkt., 10c; oz., 50c.

PEONY-FLOWERED DOUBLE—Pansy Violet. Pkt., 10c; oz., 50c.

GLAUCUM (Tulip-Flowered)—Beautiful variety, producing flowers of the most vivid scarlet, effective for beds or masses. Annual. Pkt., 10c; oz., \$1.00.

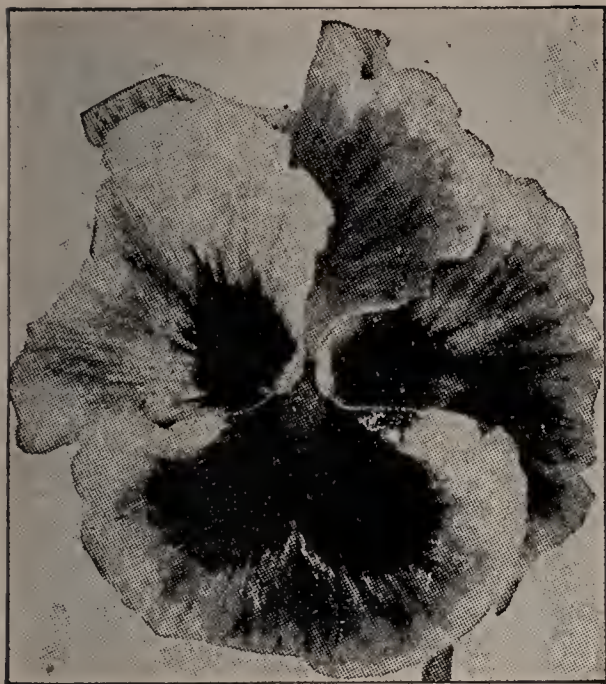
ICELAND POPPIES—Graceful hardy perennials, green-like foliage, formed in tufts, from which issue slender stalks about 15 inches high bearing brilliant flowers in endless profusion. If sown early in spring they will bloom the first summer. Mixed colors. Pkt., 10c; ½ oz., 60c.

Perennial Oriental Poppies

ORIENTALE DARK RED—Pkt., 10c; ¼ oz., 50c.

ORIENTALE NEW HYBRIDS MIXED—Immense showy flowers in rich and vivid shades. Pkt., 15c; ¼ oz., 60c.

PRICES LISTED ARE POSTPAID.



Pansies.

Pansies

To have Pansies at their best the seed should be planted during the Fall months in a semi-shaded location or in flats and when large enough transplanted where they are wanted to bloom. Plant in rich soil and water liberally. The flowers should be kept picked to prolong the blooming period.

PANSY, Good Mixed—Flowers of medium size and beautiful in color. Pkt., 10c; 1/4 oz., 50c.

PANSY, LIEFGREEN'S GIANT MIXED—A mixture consisting of a selection of giant flowering varieties. The flowers are very showy and the plants of vigorous, compact growth. A very fine strain. Pkt., 25c; 1/16 oz., 60c.

Phlox Drummondii

The Phlox are the showiest and most easily raised of all annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of colors, veins and eyes of contrasting shades. For the best results sow seed in the Fall months.

LIEFGREEN'S SPECIAL MIXTURE—Contains a mixture of varieties that will delight and astonish you with its extensive variety of colors. Pkt., 10c; 1/4 oz., 60c.

We also have Phlox Drummondii in the following separate colors: Crimson, Violet, White, and Flesh Pink. Pkt., 10c; 1/4 oz., 60c.

Ranunculus

Valuable cut flowers, double and semi-double of the most varied and brilliant colors. If sown early they bloom the first year. Height, one foot. Pkt., 10c.

Rhodanthe Everlasting Flower.

One of the most attractive everlasting flowers. The flowers hang like little bells on the stems and make a pleasing and dainty cut flower either fresh or dried. **Mixed Colors**—Pkt., 10c.

Salvia (Scarlet Sage)

The most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red crimson color, continuing to flower for a long time. Tender perennials. Plant in early Spring. Pkt., 10c; 1/8 oz., 50c.

Salpiglossis

Very showy bedding or border plants, with richly colored, funnel-shaped flowers, which are purple, scarlet, crimson, yellow, buff, blue and almost black. Height, one foot. Fine mixed sorts. Pkt. 10c.

Schizanthus

Very beautiful and interesting annuals. This is one of the easiest annuals to raise from seed. Sow in open where plants are to flower. Exceptionally beautiful when in full bloom and literally covered with small orchid-like flowers.

GRANDIFLORA MIXED — Pkt., 10c; 1 oz., 75c.



Phlox Drummondii.

Pyrethrum (Fever Few)

Hardy perennials which are easily grown and make handsome plants. **GOLDEN FEATHER**—Fine compact habit of growth, with bright yellow foliage, largely used for edgings and ribbon borders. Height 9 inches. Pkt., 10c; 1/2 oz., 45c.

Portulaca

For exhibiting a display of dazzling brilliancy the Portulaca is unrivaled. This little plant delights in the sunshine and will stand considerable drought. Has glossy foliage, bearing cup-shaped flowers in brilliant colors. They are best sown in the Spring months as it is strictly a Summer plant. Sow the seed shallow in sunny place and sprinkle lightly.

DOUBLE FINEST MIXED—Flowers perfectly double, of most brilliant colors. Pkt. 15c; 1/8 oz., 75c.

SINGLE MIXED—All colors. Pkt., 10c; 1/4 oz., 45c.

Scabiosa

Mourning Bride or Pincushion Flower.

Hardy annual of easiest culture. Profusion of flowers in exquisite shades on long, wiry stems; cut flowers keep in good condition for a long time; 2 1/2 feet high. Deserving a place in every garden, blooms profusely. Plant in the Fall months. Thin or transplant to about 12 inches apart.

AZURE FAIRY — Blue. Pkt., 10c.

GRANDIFLORA

WHITE—Pkt., 10c.

GRANDIFLORA

CRIMSON — Pkt., 10c.

GRANDIFLORA ROSE PINK — Pkt., 10c.

MIXED COLORS — Pkt., 10c; 1/4 oz., 25c.



Scabiosa.

Sweet William (Dianthus Barbatus)

A well known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. Of easy culture. Best planted in the Fall months. Height, 1 to 1 1/2 feet.

DOUBLE MIXED—All colors. Pkt., 10c; 1/4 oz., 35c.

SINGLE MIXED—All colors. Pkt. 10c; 1/4 oz., 25c.

Sunflower (Helianthus)

Stately, hardy annuals of easy culture. Useful for background or as a fence and often grown for the seed. Height, six to eight feet.

NEW RED SUNFLOWER—Is a very apt description of this new variety. The plant is of a freely-branching habit, with well-shaped dark centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height six feet. Pkt., 10c; oz., 50c.

MAMMOTH RUSSIAN — Is planted largely for seed. It also makes a good windbreak and a very ornamental background. Requires little attention. Pkt., 10c; 1 lb., 25c.

Smilax

A perennial vine which thrives best in a shady location. Very useful for decorative purposes. Pkt., 10c.

Statice

(Sinuata)

An everlasting flower which is increasing in popularity. The plants throw large sprays of flowers which may be dried and make fine Winter bouquets. The seed should be kept quite moist until germinated. Plant in the Fall months. **True Blue, Lavender, White and Mixed Colors**—Pkt., 10c.

PRICES LISTED ARE POSTPAID.

Double Stocks

The Stock is one of our most popular Winter flowers. The plants will go through the Winter uninjured by frost and will bloom from early Spring well on into the Summer months. The Giant Imperial is the very latest improvement in Stocks, throwing fully 85 per cent of double flowers. Sow the seed in the Fall in the open ground or in flats. In thinning out, remember that the weak and delicate plants are those which usually throw the best double flowers.

GIANT DOUBLE IMPERIAL STOCKS—This wonderful new strain of Stocks is of branching habit, making it possible to break long branches of flowers from the main stalk without injuring or destroying the beauty of the plant. The flowers are large and many of them on a stem. The sweet perfume of the Stocks make them most desirable for garden or for vases.

IMPERIAL CHAMOIS—Ivory, tinted Rose. Pkt., 15c.

IMPERIAL DARK BLUE—Near Purple. Pkt., 15c.

IMPERIAL LAVENDER—Light Lavender. Pkt., 15c.

IMPERIAL ROSE—Deep Rose Pink. Pkt., 15c.

IMPERIAL WHITE—Pure White. Pkt., 15c.

IMPERIAL YELLOW—Pure Yellow. Pkt., 15c.

IMPERIAL MIXED—All colors mixed. Pkt., 10c; 1/8 oz., 50c.

SPECIAL COLLECTION
One each of Seven
Varieties, 75c;
1/8 oz., 65c.



Venidium Fastuosum.

Venidium Fastuosum.

This plant thrives in Arizona where the climate is similar to its natural habitat. Its growth averages 2 feet high, has gray silken foliage and deep orange composite flowers with a purple-black center zone inside the ray. Flowers grow to 4 or 5 inches in diameter. They stand well above the foliage and effect a colorful display. Sow seeds in the open ground where they will obtain full sun. Pkt., 15c.

Vinca Rosea Periwinkle.

Ornamental free-blooming plants with dark foliage and handsome pink and white flowers. The seed germinates slowly. Sow in the Fall and Spring months.

VINCA ROSEA—Mixed Colors. Pkt., 10c; 1/4 oz., 40c.

Virginian Stocks

Very attractive hardy annual, producing a welcome supply of bright colors in the spring and early summer. Sow seed in the Fall. Largely grown in beds and borders. Height 12 inches. Mixed. Pkt., 10c; oz., 30c.

Wallflower

Wallflowers should be better known. Their adaptability for out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Pkt., 10c.

Wild Cucumber

This is a quick growing climber. It is thickly dotted over with pretty, white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Plant in the Spring. Pkt., 10c.



Giant Imperial
Double Stocks.

Wild Garden Mixture

This is not a mixture of wild flowers, but of garden annuals, with a few wild species added. It contains a large number of different kinds, all of them quite hardy and varieties that will grow with the least amount of care and produce quantities of flowers for a long period. Plant in the Spring and Fall. Pkt., 10c.

Xeranthemum

DOUBLE MIXED—One of the most attractive and satisfactory everlasting flowers. The flowers are white, purple, yellow and rose and are pretty in the garden or dried. Plant in the open ground in a sunny situation. Pkt., 10c.

Wild Flower Mixture

A splendid mixture of true annual wild flowers so blended as to give a succession of bloom from early Spring to mid-Summer. All colors may be found in this mixture. For best results seed should be sown in a prepared seed bed. They may be planted from Fall to early Spring—a longer bloom resulting from the Fall planting. If you have a piece of ground you cannot irrigate, or have not time to give particular attention, yet you want to have something beautiful instead of unsightly weeds, we advise you to plant our Wild Flower Mixture. Five pounds of seed is sufficient to plant an acre.

WILD FLOWER MIXTURE—A fine mixture of many species. Pkt., 10c; oz., 45c; 1/4 lb., \$1.65; lb., \$5.00.

Straw Flowers

Mixed Varieties

A mixture made up of the various varieties of everlasting flowers. Pkt., 10c.

Liefgreen's Beautiful Verbenas

Verbena—(Hybrida Grandiflora) Giant Flowering.

This new strain of Verbena is without doubt the largest and the most beautiful Verbena grown. Each flowerlet is very large, which gives the plant a very brilliant effect. Plant during the Spring and Fall months. Plant shallow and cover the seed bed with a light silt or manure mulch. To aid germination keep the seed bed moist until the plants are well out of the ground. Thin out or transplant to allow plants plenty of space for expansion. Verbena will hold over the Summer nicely, but should be trimmed back in the Fall to induce new growth.

LUCIFER—Solid Scarlet, no eye. 1/4 oz., 60c; 1 oz., \$2.00.

LUMINOSA—Beautiful Pink, 1/4 oz., 60c; 1 oz., \$2.00.

DEEP PURPLE—1/4 oz., 60c; 1 oz., \$2.00.

WHITE—1/4 oz., 60c; 1 oz., \$2.00.

MAMMOTH MIXED—Pkt., 10c; 1/4 oz., 50c; 1 oz., \$1.50.

Viola Odorata—The Violet

Sweet Violet.

The true blue Sweet Violet. Favorite hardy plants, highly prized for their fragrant flowers; six inches high. Seed germinates slowly. Succeeds best in half shady situations. Pkt., 25c.

PRICES LISTED ARE POSTPAID.



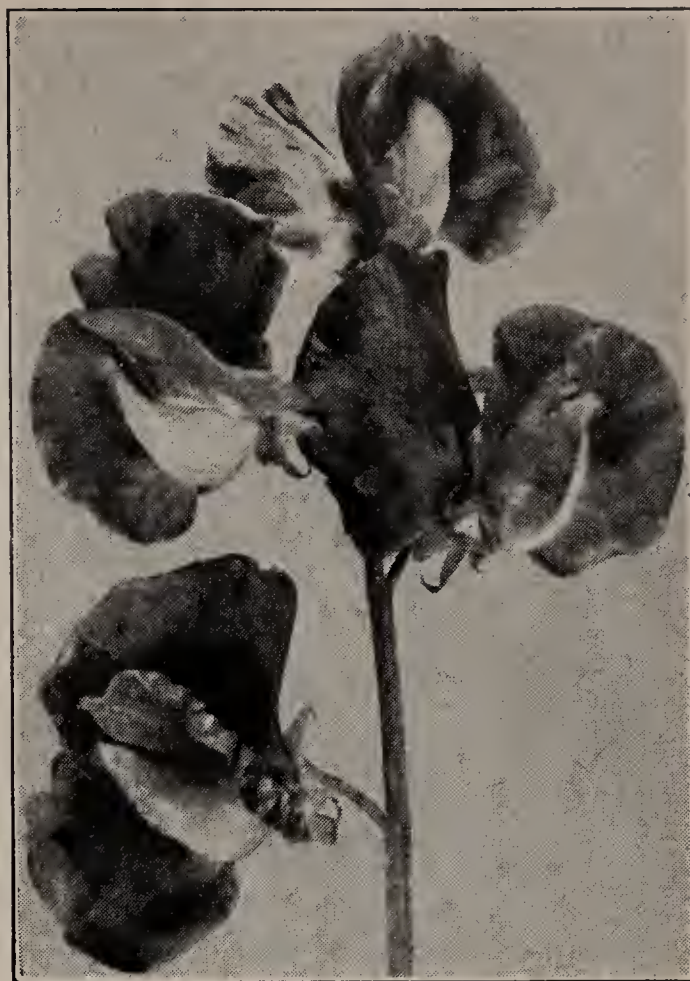
Hybrid Grandiflora Giant Verbena.

Sweet Peas

Varieties Tried and Proven in the Salt River Valley and Adapted to Arizona Climatic Conditions.

Sweet Peas are probably the most popular flower in America. They are loved by everyone, both for their beautiful coloring and their delightful fragrance. For the best results we advise you to follow our instructions for planting. We offer the following instructions according to our own method of planting.

CULTURE—Avoid dense shade. Select a place in the open where the sun shines at least three-fourths of the day and where the vines may be trained on a trellis. Dig a trench about a foot or 18 inches wide and 18 inches deep. Place about six or eight inches of well-rotted manure on the bottom of the trench. Mix a liberal amount of manure with the soil that has been removed and replace it. After the soil has settled sufficiently, open a trench in the bed about six inches deep and plant one ounce of seed to about 20 to 25 feet of row. During the warm weather cover the seed about two to three inches deep and in cooler weather about one inch is sufficient. Care must be taken during warm weather not to rot the seed with moisture. After planting seed soak the trench thoroughly and follow with a liberal sprinkling of manure or dried grass to prevent the surface soil from crusting. After the Peas have grown six or eight inches begin to draw the soil to them, gradually filling the trench. This will necessitate another trench on each side of the row, through which to water the vines during the rest of the season. A manure mulch around the plants will keep them in good growing condition. Frequent cultivation is also necessary. Keep them well watered and at blooming time keep the blossoms picked to insure a long growing season. Ask about our special fertilizer for Sweet Peas.



Sweet Peas.

Liefgreen's Selection of Giant Spencer Sweet Peas

Order Our Collection of 15 Pkts. for \$1.00; Postpaid.

The following varieties are the best in color, size, fragrance, abundance of bloom and adaptability to Arizona's climatic conditions. Call for these varieties and be assured that you are planting the best:

ROYAL SOVEREIGN—Glistening Orange Salmon—One of the most satisfactory in this color.

BLANCH FERRY—Bright Rose and White. Always a popular sort.

COMMANDER GODSALL—Blue. The nearest violet blue we know. A very fine one.

CRIMSON KING—Crimson. Deep rich color and very large.

DAFFODIL—A beautiful, clear, Primrose Yellow.

PINKIE—Mammoth Rose Pink—Long stems. Best introduced.

HAWLMARK SCARLET—A beautiful vivid Scarlet.

KING WHITE—Large Wavy White.

JACK HOBBS—Salmon pink. Pale pink flushed Salmon. Good flower and stem.

MRS. TOM JONES—Light Blue. Clear color and good flower.

POWERSCOURT—Lavender. One of the finest. Vigorous.

ROYAL PURPLE—Very deep color.

WELCOME—A dazzling scarlet. Strictly sunproof. Very robust grower. Bold flower on stout stems.

The Above Varieties: Pkt., 10c; oz., 40c.

TANGERINE—Glowing Orange. Ours is a greatly improved strain.

WARRIOR—Maroon. Color is deep, flowers large and stem extra long.

The above varieties: Pkt., 10c; oz., 40c.

Liefgreen's Giant Spencer Mixture

In preparing this mixture we are giving our customers all the best varieties in this class and all possible color variations, including many brand new kinds as well. A liberal planting of this mixture will give a most magnificent display of the Giant Spencer types. Pkt., 10c; oz., 30c; 1/4 lb., 80c; 1 lb., \$3.00.

SPECIAL SWEET PEA COLLECTIONS

Liefgreen's Early Flowering Spencer—One each of 13 varieties \$1.25
Liefgreen's Giant Spencer—One each of 15 varieties. \$1.00

New Early Large Flowering Spencer

For Winter Blooming.

When you plant our Early Flowering Spencer Sweet Peas you are planting the earliest and the largest flowering Early Sweet Peas grown.

EARLY FLOWERING SPENCERS are especially valuable for their early flowering qualities. Planted in September and October, they will bloom as early as January, although they may be planted any time during the Fall and Winter months and will bloom four to six weeks in advance of the regular Spencers.

ALL WHITE—Largest waved pure white.

AMETHYST—Light Purple. Very fine.

AVIATOR—Dazzling Crimson Scarlet.

BLUE BIRD—Violet Blue. Extra large and one of the best.

COLUMBIA—Salmon Rose with White Wings.

FAIR MAID—Blush Pink suffused Salmon.

GLITTERS—Cerise. One of the most popular for all purposes.

PRICES POSTPAID

LAVENDER KING—Clear Lavender of perfect form, large size.

MEADOW LARK—Large Early Cream color on long stems.

OTHELLO—Maroon. Strong grower, large flowers and good long stem.

ROSE DORE—Beautiful soft Rose Pink, delicately suffused with Salmon.

ZVOLENSK'S ORANGE—A very strong grower with extra long flowers and good stems.

ZVOLENSK'S ROSE—Giant Rose Pink, vigorous, extra large flowers and exceedingly long stems. Fine exhibition.

Pkt. 15c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$1.75.

LIEFGREEN'S EARLY FLOWERING SPENCER MIXED—This mixture is made up of the very cream of the Early Flowering Spencers. Pkt., 10c; 1/2 oz., 20c; 1 oz., 40c; 1/4 lb., \$1.20; 1 lb., \$4.50.



Sweet Pea.

Zinnias

The Zinnia is possibly more at home in the warmer sections of Arizona than any other flower. It is sun-loving, very easy to grow and a favorite in thousands of Arizona gardens. We wish to stress the fact that our Zinnias, are absolutely the best strains in existence. The Zinnia is strictly a hot weather plant and should not be planted until March. Plantings may be continued throughout the Summer.

CULTURE—Plant after all danger of frost is over. The seed should be planted about one-half inch deep and the seed bed covered with a mulch of light barnyard fertilizer or grass to conserve the top moisture. Plant in rich soil in rows at least three feet apart and thin out plants so they are about 12 inches apart. Never plant Zinnias in the shade, as they delight in the full sunshine. Keep the rows free and clean from Bermuda Grass and weeds and cultivate and irrigate often. To avoid mildew, dust the ground around the plants with ground sulphur as soon as the buds appear. If you follow these instructions we know your efforts will be rewarded.

Liefgreen's Giant Dahlia Flowered

The DAHLIA FLOWERED ZINNIA is the most popular of all the Zinnia types grown. The large size, beautiful petals, extraordinary colors and good keeping qualities have made them popular with all who grow them. They resemble a Dahlia in appearance and when in full bloom often measure five and six inches in diameter. The variations in the colors are wonderful and we cannot recommend them too highly. We list them in the following colors.

EXQUISITE—One of the most pleasing shades. Color a light Rose, with deeper Rose center.

ILLUMINATION—A deep soft rose. Very beautiful.

CRIMSON MONARCH—By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous.

ORIOLE—We consider this the most beautiful of its class. It is an immense Orange and gold bicolor, changing slightly as it ages.

CANARY BIRD—Delicate primrose—very large and holds its color well.

DREAM—A fine, deep Lavender, turning to Purple (Mallow Purple), a new, desirable shade in Zinnias.

POLAR BEAR—Very large pure White, best White in Zinnias. True Dahlia form.

The above varieties: Pkt., 15c; 1/4 oz., 35c; oz., \$1.25.

LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIA MIXTURE—A blend of the very best types of Dahlia Zinnia and sure to please the most critical. Makes an excellent garden show and fine flowers for cutting. Pkt., 15c; 1/4 oz., 35c. 1 oz., \$1.25.

Liefgreen's Lilliput Pompon

If you have room for two rows of Zinnias, sow the seeds of the Dahlia-Flowered or California Mammoth in the back-ground, and Lilliput Pompon in the front row. This makes a charming combination and will give a greater variety of

flowers for cutting purposes. Pompon Zinnias are easily grown and the flowers compare favorably with the Pompon dahlia. Grows 2 feet high.

CANARY YELLOW, CRIMSON GEM, PURPLE, SALMON ROSE, WHITE GEM, ALSO MIXED COLORS—Pkt., 10c; 1/4 oz., 30c; 1 oz., \$1.00.

GIANT VICTORY QUILLED MIXED—The flowers are very large, with velvety quilled petals. The plants are vigorous and well branched. Pkt., 15c.



Mammoth Zinnia.

Liefgreen's Giant Mammoth Zinnias

In presenting the above type we offer a rare collection of striking and desirable colors, enormous flowers. They have smaller flat centers than the Dahlia Flowered, with more loosely placed petals. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance. Plant the full collection of the following colors:

GIANT LEMON QUEEN—An immense flower and most pleasing in color. The Canary Yellow petals are tinged with Cerise on the lower side, the two shapes blending into a variety of lemon tints as the flower develops. It is unique in having a pleasant odor.

GIANT ORANGE QUEEN—A new Orange shade, exceptionally bright in tone. Giant flowers of graceful appearance.

GIANT MISS WILMOT—A beautiful soft Pink. Without doubt the finest Zinnia of this color in existence.

GIANT SCARLET GEM—A large, beautiful, bright Scarlet with fine form and good depth of petals. Very large.

GIANT PURITY—A very large pure white with delightful form.

GIANT LAVENDER GEM—Deep lavender purple. Pkt., 10c; 1/4 oz., 35c; 1 oz., \$1.25.

LIEFGREEN'S GIANT MAMMOTH—Mixed colors. Pkt., 10c; 1/4 oz., 30c; 1 oz., \$1.00.

PRICES LISTED ARE POSTPAID.

Gracillima

(True Red Riding Hood)

This miniature, free flowering Zinnia grows only to a height of 1 foot. Bright red. Pkt., 15c.

Scabiosa Flowered Zinnias

A new Zinnia much resembling the Scabiosa. Mixed colors. Pkt., 15c; 1/4 oz., 75c.

New Zinnia Fantasy

(Quilled and Curled)

Fantasy is the most fascinating new Zinnia type introduced in years. The very informal flowers with their quilled and irregularly curled petals are graceful and interesting in the extreme. The colors are unusually bright in shades of red, yellow and orange. One of the most sensational novelties of the year. Pkt., 15c; 1/8 oz., 50c.

Liefgreen's Tom Thumb Zinnia

The compact plants of this dainty strain are 6-8 inches high and are covered with well-formed flowers of the Lilliput type. There is a complete range of Zinnia colors in this mixture. Excellent for pot use, for borders or for mass planting. Pkt., 15c; 1/4 oz., 50c; oz., \$1.50.



Liefgreen's Giant Dahlia Flowered Zinnia.

Special Collections

LIEFGREEN'S GIANT MAMMOTH—One each of Six Varieties, 40c.

LIEFGREEN'S GIANT DAHLIA FLOWERED—One each of Seven Varieties, 75c.

LIEFGREEN'S LILLIPUT POMPON—One each of Five Varieties, 35c.

PRICES POSTPAID.

Winter or Summer—You Can Have a Beautiful Lawn



Success in lawn-making requires first of all---GOOD SEED!

Our Lawn seeds are thoroughly cleaned and are tested for purity and germination. When you buy LIEFGREENS LAWN GRASS SEED you avoid disappointment.

DIRECTIONS FOR PLANTING—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 1½ to 2 pounds to 10x10 feet for Australian Rye Grass; one pound to 10x20 for Blue Grass; one pound to 500 square feet for Bermuda Grass, and one pound to 2000 square feet for White Dutch Clover when planted with other grasses. After sowing spread a light mulch of fine barn-yard fertilizer over the surface. The mulch will quicken germination and prevent the soil from crusting. Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early Spring and Bermuda Grass during the summer months.

Australian Rye Grass

An extremely hardy and the most popular Winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly recleaned and sure to please. Lb., 15c; 10 lbs., \$1.20; 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$10.00. Write for prices on larger quantities.

Kentucky Blue Grass

Fancy, recleaned seed of tested quality. Used for Summer lawns in the higher altitudes and mountain districts and in the warmer sections for Winter lawns. Lb., 40c; 10 lbs., \$3.50. Write for quantity prices.

Bermuda Grass

Used exclusively for Summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly recleaned, thereby eliminating the undesirable weed seeds. Lb., 50c; 10 lbs., \$4.50.

Red Top

(*Agrostis Alba*)

A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in the higher altitudes. For pasture, sow 15 pounds per acre. Lb., 50c; 10 lbs., \$4.50.

White Dutch Clover

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with Winter lawn grass. Lb. 55c; 10 lbs., \$5.00. Write for quantity prices.

Poa Trivialis

Used for golf courses, putting greens and fairways and very satisfactory for lawns in shady places. Leaves are narrow and flat. Lb. 50c; 10 lbs., \$4.50.

Sea Side Bent

(*Agrostis Maritima*)

This is a true creeping bent, and makes a very smooth, uniform lawn, used primarily for putting greens in this section. You will find, however, several successful lawns in the Salt River Valley grown from Sea Side Bent. Our stock of Sea Side Bent is carefully recleaned and is extremely pure and free from weed seeds. 1lb. \$1.75; 5 lbs., \$8.00.

Liefgreen's Plant Food

Liefgreen Plant Food is manufactured by us and we guarantee that it contains all the elements required and in the proper proportion to produce a luxuriant growth. It is a clean, odorless material and, being quick in action, the effect can be noticed within a very short time by the rich green coloring and that velvety appearance so much sought after. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds. 5 lbs., 40c; 10 lbs. for 300 sq. ft., 70c; 25 lb. sack for 750 sq. ft., \$1.15; 50 lb. sack for 1500 sq. ft., \$2.00; 100 lb. sack for 3,000 sq. ft., \$3.50; not prepaid.

Peat Moss

Peat Moss is a valuable soil improver for all horticultural and agricultural purposes. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Per bale (about 150 lbs.) \$4.00 F. O. B. Phoenix.

ABOVE PRICES ARE POSTPAID UNLESS OTHERWISE SPECIFIED.

Liefgreen's Superior Vegetable Seeds



Crisp, Tender. Juicy Vegetables from Your Own Garden

Asparagus—Esparrago

CULTURE—Soak seeds twenty-four hours before planting. Sow in February and March in rows, covering seed about one inch. The following Winter transplant to rows three or four feet apart and a foot apart in the rows, with at least six inches of covering. Asparagus prefers light loamy soils.

PALMETTO—Light green; very popular. Pkt. 5c; oz., 15c; ¼ lb., 30c; lb., 80c; 10 lbs., \$7.00.

SELECTED MARY WASHINGTON—A new Giant rust-proof variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

Asparagus Roots

Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

MARY WASHINGTON ROOTS—30c per doz.; 100, \$1.50; postpaid.

PALMETTO ROOTS—30c per doz.; 100, \$1.50; postpaid.

Artichoke—Alcachofa

LARGE GREEN GLOBE—The favorite garden variety. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.

Beans—Frijoles

ASK FOR QUANTITY PRICE

We Can Always Supply Any Quantity for Large Plantings.

CULTURE—For a Spring crop plant in February, March and April, according to the location. For Fall crop, plant in August and early September. Beans enjoy a well-drained loamy soil. Irrigate Beans only when needed and do not flood the vines. Cultivate frequently and before the soil has a chance



Burpee's Stringless.

Henderson's Bush

Also called Baby Lima Small white Lima Bean, of excellent flavor and enormously prolific. Pkt., 5c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00.

to crust. Plant Bush Beans about three inches apart in three-foot rows at the rate of about one pound to 100 feet of row and from 75 to 100 pounds per acre. Plant Pole Beans at the rate of one pound to 200 feet of row and about 40 pounds per acre. Write us for special quantity prices.

Bush Beans

FULL MEASURE—This excellent variety is fast becoming popular with our gardeners. Pods are somewhat like stringless Green Pod but longer and more slender, about 5 inches long, of splendid quality and entirely stringless. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00.

BURPEE'S STRINGLESS GREEN POD (Improved). — This stringless green pod bean is one of the most popular beans in America. In earliness it is in the lead, in quality it is unexcelled, and as a cropper it is unrivaled. The straight, fleshy, round, thick pods are as stringless as the name implies. Our select seed is well cured and particularly adapted for early Spring planting as the seed will not mould in cold ground as readily as seed stock that is not properly grown and cured. Pkt., 15c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00.

IMPROVED BLACK WAX — Round podded. A beautiful bright yellow color, very early and continues long in bearing. Very productive. Pkt., 5c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00

IMPROVED GOLDEN WAX — This bean is a distinct improvement on the old Golden Wax. It is a stronger grower, more prolific and not as subject to disease. A popular variety for market or garden use. Pkt., 5c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00.



Large Lima.

Pole Beans

KENTUCKY WONDER, Brown Seeded—Very early and enormously productive. Entirely stringless and very tender. Plant as early in the Spring as possible and again in the latter part of July to the 20th of August. Pkt., 5c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00.

Lima Beans

BURPEE'S IMPROVED BUSH LIMA—The earliest maturing of all the large seeded Limas. Pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00; postpaid.

LARGE LIMA—A pole variety, large seeded, bearing usually three to four beans to a pod. Pkt., 5c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00

PRICES LISTED ARE POSTPAID

Beet—Betabel o Remolacha

Table Beets

CULTURE—In the warm sections of Arizona Beets may be planted from August 1 until May 1. In the higher altitudes planting may commence as soon in the Spring as weather conditions will allow. One ounce of seed will plant from 50 to 75 feet of row and six to eight pounds are required per acre. Plant in rows of 18 to 24 inches apart and thin to three or four inches in the row. Cover the seed one inch deep and firm the soil after planting. Beets enjoy a light, rich, loamy soil and frequent cultivation is necessary for rapid and tender growth. Ask our advice for the proper fertilizer to use.

Table Beets

EARLY WONDER—A very fine market and table beet. This is an early beet with a very small tap root, small top and is of exceptionally fine dark red color. The beets are slightly flattened and mature very evenly. For a table as well as a canning variety we cannot recommend it too highly. **Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.**

DETROIT DARK RED—This is a fine main crop all purpose beet. Especially desirable for the home garden on account of its exquisite quality, being sweet, tender and fine grained. The rich dark red color makes an attractive dish. **Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.**

CROSBY'S EGYPTIAN—The extra early money maker for market growers. Our Crosby's is a very superior extra early strain of garden beet which has been very carefully selected for type. It excels in handsome form, a good size, small tops, very small tap root, fine quality, and above all, it makes a rapid growth. The flesh is deep red. Ready for use in 45 to 50 days. **Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.00; 10 lbs., \$8.50.**

EARLY BLOOD TURNIP—Of large growth. Flesh very tender and retains its blood red color when cooked. **Pkt., 5c; 1/4 lb., 40c; lb., \$1.00; 10 lbs., \$8.50.**

Brussels Sprouts—Berza de Bruselas

Imported Half Dwarf Paris Market

The culture for Brussels Sprouts is the same as for Cabbage. It is a highly esteemed vegetable. Our strain of seed produces handsome, hard, round sprouts of fine quality. **Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$2.50.**

Broccoli

Green Sprouting Italian

A new member of the Broccoli family to be used in this country. The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild flavor having none of the distinct cabbage flavor so common in this family of plants.

CHRISTMAS CALABRIA is imported from Italy as the best obtainable. Plant and care for as the other Broccolis or Cauliflower. **Pkt., 5c; oz., 40c; 1/4 lb., \$1.35; 1 lb., \$3.50.**

PRICES LISTED ARE POSTPAID.



Swiss Chard.



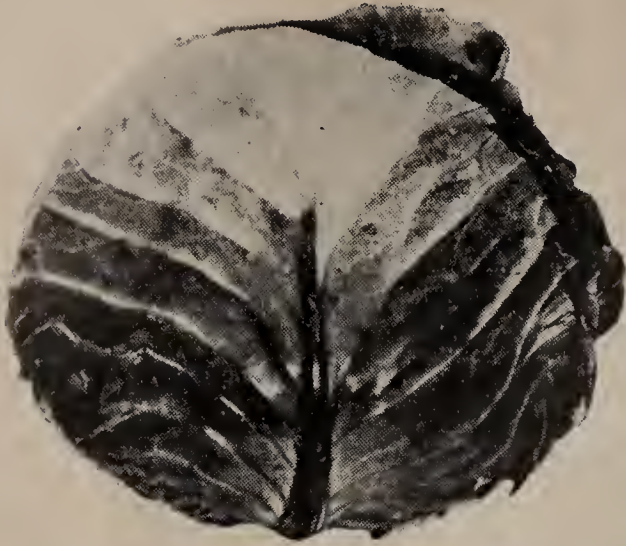
Green Sprouting Broccoli.

Swiss Chard Foliage Beet

LUCULLUS—Culture, same as Beets. This fine vegetable gives large returns for the little care it requires. The leaves of Swiss Chard are used for greens the same as Spinach or Beet tops. Also used extensively for poultry green. The mild rib is sometimes cooked and served as you would Asparagus. **Pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.00.**

THEY ARE AS GOOD AS FRESH THE YEAR ROUND!

Cabbage—Col Repollo



Select Copenhagen Market.

Good Seed is of the utmost importance in all crops, and no doubt has a greater effect on the final outcome of the Cabbage crop than any other. Do not take any chances by using poor seed. Seed taken from selected heads grown under proper conditions will repay you many times at harvest for its extra cost. In buying our strains of Cabbage you take the first step in the right direction.

CULTURE—In the warm sections of Arizona, seed should be planted during July and August in shaded beds. Make high shade with covering of cheesecloth or burlap. Transplant to the field in three foot rows. Small heading varieties should be spaced about twelve inches apart and larger heading varieties eighteen inches apart. The soil should be kept moderately moist and well drained and deep cultivation should be practiced. Six ounces will produce plants for one acre.

GOLDEN ACRE CABBAGE—One of the earliest varieties of cabbage. It is dwarf in habit; resembles the Copenhagen Market Cabbage but smaller heads, averaging 2½ to 3 pounds in weight. Due to its small size it can be planted 12 to 14 inches apart in the row. Our seed is an extra fine strain. **Pkt., 5c; oz., 35c; ¼ lb. \$1.20; 1 lb., 3.50.**

COPENHAGEN MARKET—Our seed of this valuable new early Cabbage comes to us direct from Denmark. **Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00.**

EARLY WINNIGSTADT, Imported—One of the best early sorts and an old favorite everywhere. **Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

DANISH BALL HEAD or HOLLANDER, Imported—The hardest round headed Cabbage in cultivation. **Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00.**

EARLY JERSEY WAKEFIELD, Imported — Grows a small pointed head like the Winningstadt. **Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

EARLY FLAT DUTCH—**Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

RED DUTCH—Heads of deep color and very solid. Excellent for cold slaw and for pickling. **Pkt., 5c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50.**

CHINESE CABBAGE. Pe-Tsai—Grow it the same as you would lettuce. Transplant to 12 inches apart. Our seed is the genuine Chinese imported. Boiled with beef or pork, it is excellent, having a more pleasing flavor than Cabbage. It is tender and crisp, branches perfectly and is equally good raw or cooked. **Pkt., 5c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.00.**

Collards—Col

CULTURE—Similar to Cabbage, but does not produce a head. Used as a pot herb like Kale and also desirable as greens for poultry or rabbits. The same culture is applied as to Cabbage except spacing. Plant 15 inches apart in three-foot rows.

TRUE GEORGIA — A strong growing variety with light green leaves. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

Celeriac or Turnip Rooted Celery

CULTURE—Nearly the same as Celery. A form of Celery grown for its fleshy roots.

GIANT PRAGUE—Produces large smooth roots with few side roots. **Pkt., 5c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50.**



Chinese—Pe-Tsai.

Celery—Apio

In Southern Arizona, where we experience hot, dry summers, plant seed in cold frames during the month of May. When the plants are strong enough, plant in rows four feet apart and six inches in the rows. Later the soil should be banked against the plants for bleaching, but this should not be done until a few weeks before harvesting. One ounce of seed will produce about 4,000 plants.

GOLDEN SELF BLANCHING—The best Celery in cultivation. **Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.**

GIANT PASCAL—One of the most popular sorts for winter use. **Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.**

COMMERCIAL GARDENERS CAN DEPEND ON US FOR TESTED VARIETIES THAT WILL PRODUCE HIGHEST YIELDS OF MARKETABLE CROPS. WRITE FOR QUANTITY PRICES.

Cauliflower—Coliflor

CULTURE—Prepare the seed bed carefully, using only rich and thoroughly pulverized soil. Keep the plants in a healthy and rapid growing condition. Broadcast the seed in the seed bed. To mature crop for the December market in Southern Arizona, plant seed in July in shaded beds. For a continuous crop thru-out the winter season plant seed in July, August, September and October. For Northern Arizona, plant in the Spring. When plants are 40 to 45 days in the beds they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Five ounces of seed will produce plants for one acre.

SELECT EARLY SNOWBALL—The earliest and the surest heading variety on the market. It is snow-white in color with leaves overlapping the flower. The flower is therefore protected from injury, exposure to frost, rain or heat. It is very essential that good Cauliflower be so protected on account of shipping. Our strain of Snowball is grown by one of the most particular Danish growers and imported direct by us from Denmark. We offer no other variety of Cauliflower as we know this strain to be the best and we cannot honestly recommend any other type to equal it. **Pkt., 5c; ¼ oz., 85c; oz., \$2.50; ¼ lb., \$6.25; 1 lb., \$25.00.**

Chives

The famous Schnittlauch—highly prized for flavor. The seed of this is not easily germinated and it will be necessary, therefore, to plant a fairly good quantity of the seed if many plants are desired. **Pkt., 5c; ¼ oz., 35c; oz., 75c.**



Cauliflower—Select Early Snowball.

PRICES LISTED ARE POSTPAID UNLESS OTHERWISE NOTED.

Carrot—Zanahoria

CARROTS are the most wholesome and nutritious vegetable, easily grown and harvested and relished by most everyone. Carrots grow in most any soil, although a sandy loam plentifully enriched with well-rooted manure suits them best. Sow one ounce of seed to 100 feet of row, three pounds to the acre. Plant from September to May in rows 15 to 18 inches apart. Keep clean by frequent hoeing and weeding.

DANVERS HALF LONG — A half long orange carrot grown largely on account of its great productiveness and adaptability to all classes of soil. It is a favorite with market garden growers and shippers. The tops are medium size. The mature roots are of medium length, six to eight inches long, tapering uniformly to a blunt point. The flesh is deep orange, tender and of

good quality. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

IMPROVED CHANTENAY — An elegant bunching Carrot and early crop variety for market gardeners. A first-class table variety, stump rooted, broad shouldered, about five or six inches long. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

OX-HEART—Especially desirable for soil so hard and stiff that longer-rooted varieties will not thrive in it. The mature roots are 4½ inches long. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

IMPERATOR—One of the best selling varieties. In appearance, it is sleek, seven to eight inches in length with round shoulders, allowing it to bunch well. Its color is a deep orange and its core is very indistinct. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**



Danver Half-Long.

Sweet Corn—Maiz Dulce

CULTURE — Plant Sweet Corn in the Spring after all danger of frost is over and when the soil is warm enough to prevent the seed from decaying. Plant four or five kernels in hills 18 inches apart in three-foot rows. Cultivate after each irrigation until stalks shade the ground. Do not allow the soil to become too dry at any time. The nature of your soil, whether heavy or light, will determine the amount of water necessary. One pound of seed will

plant 200 to 300 feet of row or from six to ten pounds per acre, depending on the size of the seed. June Corn and Hickory King may be planted in June, July and August, while Sweet Corns should be planted in early Spring and again in August and September. Our Corn seed is from the very best selected stock and you can always depend on receiving seed of the highest germinating quality. Write us for quantity prices.

SELECT ADAMS EARLY—Ready for table use from Spring planting in 50 to 60 days, depending on the weather. In the Fall it should produce roasting ears in 50 days. It is not a Sugar Corn but decidedly more hardy, permitting earlier planting, and for this reason is very much in demand by the market gardener. The Corn worm does not bother this variety as it does varieties of Sugar or Sweet Corns. **Large Pkt., 5c; ½ lb., 15c; lb., 25c; 10 lbs., \$2.50.**

GOLDEN BANTAM—This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. **Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00.**

COUNTRY GENTLEMEN—A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. **Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00.**

OREGON EVERGREEN — A very early variety of Sugar Corn of excellent flavor and large size. It can be grown early in the Spring or late in the Fall and is in much demand by the market gardener. This Corn is extra sweet and due to the tight folding of its shucks is as near corn worm proof as any. **Large Pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00.**

Field Corn

FOR ROASTING EARS AND ENSILAGE.

SACATON JUNE—Lb., 20c; 10 lbs., \$1.75. Ask for Quantity Price.

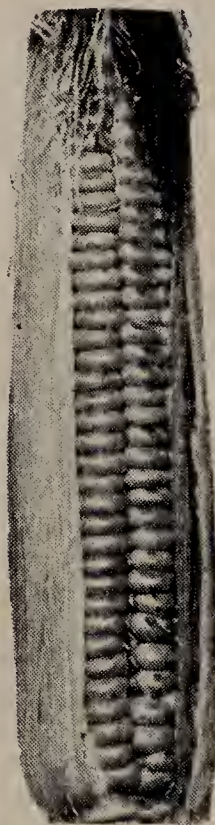
REID'S YELLOW DENT—Lb., 20c; 10 lbs., \$1.75. Ask for Quantity Price.

HICKORY KING—Lb., 20c; 10 lbs., \$1.75. Ask for Quantity Price.

Pop Corn

WHITE RICE—A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches long. **Large Pkt., 5c; ½ lb., 15c; 1 lb., 30c; 10 lbs., \$2.50.**

For Corn Worm use **LEAD ARSENATE** or **FLUOCIDE**.



Select Early Adams.

Cucumber—Pepino

CULTURE—Plant Cucumbers in the Spring as soon as all danger of frost is over. If you are located in light frost areas planting may be made two to four weeks earlier and receive the full benefits of the early market prices. In the Salt River Valley and similar sections plantings are also made in the Fall, usually August and September. Plant six to ten seeds one inch deep in hills four feet apart each way. One ounce will plant 50 hills, two pounds to the acre. After all danger of pests are removed and you are sure of your plants, thin out, leaving three of the strongest plants. Give abundance of water and frequent cultivation for the best results. Cucumbers enjoy a light, sandy, rich soil.

SELECT EARLY FORTUNE — This Cucumber has proven exceedingly popular and profitable in Arizona as well as elsewhere. It is very productive, early and disease resistant; fruits about eight inches long, slightly tapering; flesh is white; very firm and crisp, with few seeds. It is of a rich green color and keeps well. Ready for market in about 60 days. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

PERFECTED DAVIS PERFECT—A splendid Cucumber possessing all the merits of the best slicing varieties. Dark, glossy green, slim and symmetrical, with an average length of ten to twelve inches. Quality fine, as seeds are very soft when fit for table use. Tender and brittle, of exceptional flavor. Very early. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

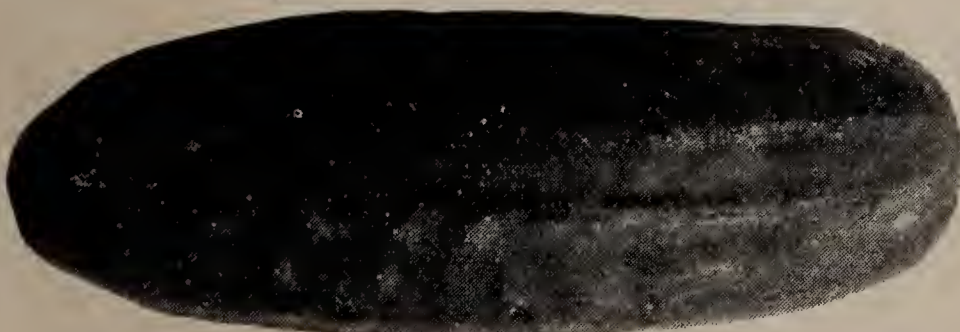
IMPROVED LONG GREEN—This fine Cucumber grows from 12 to 14 inches long and is of superior quality. Of fine dark green color and slender. Flesh very firm and crisp. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

KLONDIKE — Another good white spined variety, medium length, very dark color and fine quality. Vine vigorous and productive. Fruits weigh about 1½ lbs., 7½ inches long and 2½ inches in diameter. **Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.**

EARLY WHITE SPINE—One of the best for table use. Vines vigorous, fruiting early and abundantly; uniformly straight and handsome dark green, with a few white spines. Flesh is tender and of excellent flavor. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

BOSTON PICKLING—Very prolific; largely planted for pickles. The fruits are short, smooth, bright green and of excellent quality. For producing medium sized pickles this variety is highly esteemed. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

LEMON—A new variety, the color of a lemon when ready for use and similar in shape. Produces heavily. Delicious, with no bitter taste. **Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.**



Select Early Fortune.

PRICES LISTED ARE POSTPAID.

Egg Plant—Berengena

CULTURE—Egg Plant grows exceedingly well in Arizona, as it thrives in warm, dry weather. Sow in hot beds or boxes and transplant when danger of frost is over. Plant two feet apart in four-foot rows. To secure a rapid and continuous growth, water and cultivate frequently. One ounce of seed will produce about 1,000 plants.

BLACK BEAUTY—The fruits are rich, dark purple, large and symmetrical, maturing a little earlier than our Improved New York Purple but usually not quite as large. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; lb., \$5.00.

IMPROVED NEW YORK PURPLE—Large, oval-shaped, deep purple fruits. Pkt., 5c; oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00.

Herb Seeds

ANISE—Used as a cordial and for garnishing and flavoring. Seeds have an agreeable aromatic taste. Pkt., 5c; oz., 35c.

BASIL—Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5c; oz., 50c.

BORAGE—The leaves are used for flavoring and the flowers furnish bee pasture. Pkt., 5c; oz., 50c.

CARAWAY—Grown for the seeds, which are used extensively for flavoring of bread, pastry, etc. Pkt., 5c; oz., 25c.

CATNIP or CATMINT—The leaves are used for seasoning. It also makes an excellent bee pasture. Pkt., 5c.

CHERVIL—Used in soups and salads. Pkt., 5c; oz., 30c.

CORLANDER—The seeds are used in the manufacture of liquors and confectionery. Pkt., 5c; oz., 25c.

DILL—The seeds have an aromatic odor and warm, pungent taste. They are used as a condiment and also for pickling cucumbers. Pkt., 5c; oz., 25c.

LAVENDER—Used chiefly in the manufacture of perfumery. Pkt., 5c; oz., 75c.

MARJORAM—Sweet. The leaves and the ends of the shoots are esteemed for seasoning in summer and are also dried for winter use. Pkt., 5c; oz., 75c.

ROSEMARY—The aromatic leaves are used for seasoning. Pkt., 5c; oz., \$1.00.

SAGE—The most extensively used of all herbs as a seasoning for dressing. Pkt., 5c; oz., 75c.

SORREL—Used in soups and salads for its pleasing flavor. Pkt., 5c; oz., 35c.

SUMMER SAVORY—A hardy annual. The dried stems, leaves and flowers are extensively used for flavoring—particularly in dressing and soups. Pkt., 5c; oz., 75c.

SAFFRON—Used for flavoring. Pkt., 5c.

THYME—Used for seasoning. Pkt., 5c; oz., \$1.00.



Black Beauty Egg Plant.

Endive— Escarola o Endivia

CULTURE — Sow seed at any time with the exception of the hot Summer months. Sow thinly in rows 18 inches apart and cover lightly. When about four inches tall they should be thinned out to stand from six inches to a foot apart in the row. This plant grows to perfection and makes a very delicious salad for Winter use. After plants are well grown, gather up leaves and tie at tips into a loose bunch to bleach the inner leaves.

GREEN CURLED—A hardy vigorous variety with deep green leaves. This variety is generally preferred as it bleaches to a beautiful golden yellow. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb. \$1.25.

Kohl Rabi— Colinabo

CULTURE—Kohl Rabi is a cold weather plant and should be seeded from early Fall to early Spring, eliminating the hot, Summer months. In colder sections plant in early Spring. Plant like turnips and thin to six inches apart. One ounce of seed will produce about 2,000 plants.

Early White Vienna

Earliest sort, very tender, excellent for table use. Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$2.50.

Early Purple Vienna

Similar to above, but has flesh of purple color. Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$2.50.

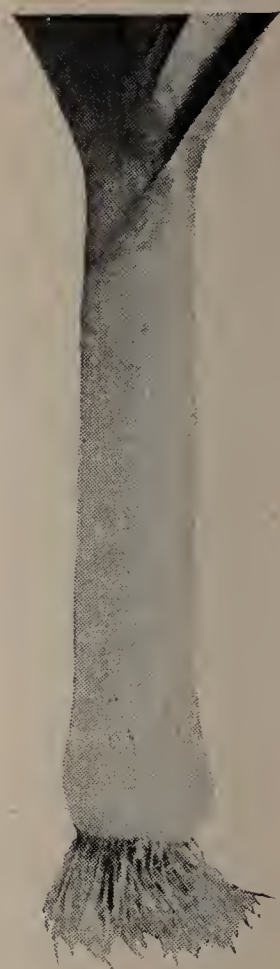
Garlic—Ajo

CULTURE—Plant in the Salt River Valley and similar climates during October and November. In higher altitudes during the Spring season. Prepare the ground as for onions, separate the sets and plant them in drills four to six inches apart in rows 12 to 18 inches apart, depending on the method of cultivation. Cultivate like onions and when plants turn yellow pull bulbs and dry in the shade. One pound will plant about 50 feet of row.

GARLIC SETS—40c per pound.



Large Green Curled Endive.



Large London Leek

Kale or Borecole— Breton Berza

CULTURE—Sow in drills during the Spring and Fall months. Transplant to 12 inches apart in three-foot rows. One ounce required for 100 feet of drill.

GREEN CURLED SCOTCH—Grows to a height of two feet or more; leaves are bright green and curled. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

Leek—Puerro

CULTURE—Plant in seed bed or in drills in the field; when large enough transplant or thin out about six inches apart in 18-inch rows. One ounce of seed is required to 150 feet of row.

LARGE LONDON — Broad leaves of strong and vigorous growth; very hardy. Pkt., 5c; oz., 25c; 1/4 lb., 85c; 1 lb., \$2.50.

PRICES LISTED ARE
POSTPAID.



Kohl Rabi.

Lettuce—Lechuga

CULTURE—Lettuce is best suited to rich, light, loamy soil and should never be planted in worn-out soils. At planting time the soil should be in the best of condition. Sow seed on ridges in rows 18 inches apart and when plants are large enough thin to 10 to 15 inches apart. Run the water in furrows between the ridges and never allow the water to touch the plants.

When Lettuce is planted early in hot ground plant two pounds of seed to the acre. During the Winter season, when the soil is cool, one and one-fourth pounds per acre is plenty.

Head Lettuce

NUMBER 12, NEW YORK—A type of early maturing New York Lettuce that has gained great popularity in the last few years. Matures about 10 days earlier than the regular New York and cuts very evenly in the field. This Lettuce should be planted both for early Fall and Spring markets. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

NEW YORK SPECIAL—Hardy, uniform heads, wavy light green outer leaves with the center bleached pure white. Crisp, tender and with a flavor that never fails to please. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

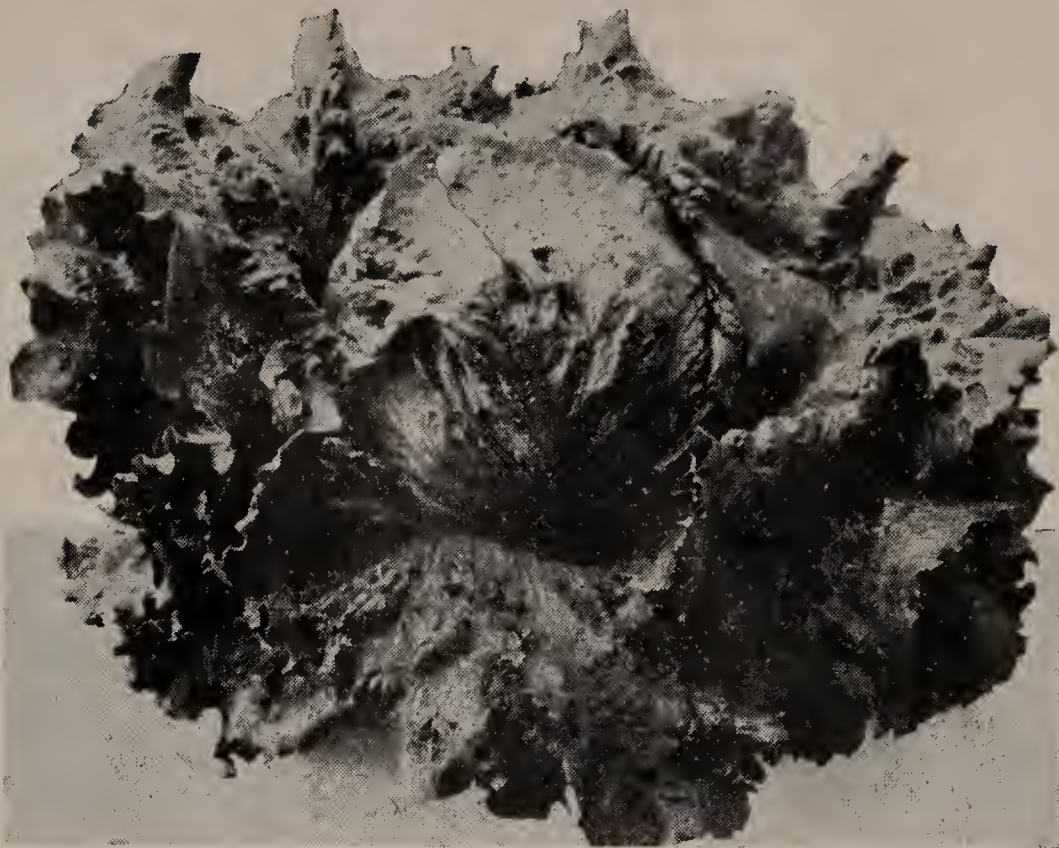
ARIZONA WONDERFUL—A splendid variety for market or home use. Large, crisp, tight heads and a great favorite wherever grown. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Leaf Lettuce

PARIS COS or ROMAINE—Leaves yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

DENVER MARKET — For the family garden plant this variety broadcast on ridges, allowing it to grow thick. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Liefgreen's 8-9-6 Fertilizer is an excellent combination for all vegetable crops. Per 100 lbs., \$4.00; F. O. B. Phoenix.



New York or Wonderful Lettuce.



Paris White Cos.

ICEBERG—A splendid Head Lettuce for Spring planting. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

MARKET GARDENERS AND SHIPPERS— NOTE—

We are headquarters for Market Garden supplies, seeds, sprayers, insecticides, etc. Please write for special quotations for quantities. See page 44 or write us in regard to your insect pest problems.

Fertilizer

LIEFGREEN'S 6-9-0 WITH 25% IRON SULPHATE—Excellent for weak and sickly shrubs and trees. 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.50; 100 lbs. \$5.00; F. O. B. Phoenix.

Watermelon—Zandia

CULTURE—Use our northern grown seed for a successful melon crop. Our Melon seed is selected from the very best types and will grow hardier, larger plants and melons than average seed. Plant seed in a furrow, dropping six seeds every eight or ten feet apart. Cover about two inches deep.

As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When safely established, thin vines to about two to the hill. Be sure to cultivate after each irrigation as soon as the condition of the soil will permit. Use two to two and a half pounds of seed to the acre.



Kleckly Sweet.

Black Seeded Klondike

One of the best Melons grown for home use. The rind is very thin and of a medium green color. The flesh is bright red, tender and deliciously sweet. Our seed is of the genuine strain, as our selections are made from perfect specimen Melons. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; 10 lbs., \$12.50.

STONE MOUNTAIN — A very large oval round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

KLECKLY SWEET — A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

PRICES LISTED ARE POSTPAID
UNLESS OTHERWISE SPECIFIED.



New Striped Klondike Watermelon.

PEERLESS or ICE CREAM—A large oval melon with yellow flesh of good quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

IMPROVED BLACK-SEEDED CHILIAN—This Melon possesses a rich fruity flavor. Very sweet and has a thin rind. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

IMPROVED WHITE-SEEDED CHILIAN—A very good Melon. It is extra solid, crisp and sugary—a great favorite with the growers. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

CITRON or PRESERVING MELON — For preserves. Fruit round and smooth. Is not eaten raw but is used for making clear transparent preserves of peculiarly fine flavor. Flesh white and solid. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

Muskmelon or Cantaloupe—Melone

CULTURE — Thoroughly soak the soil. When dry enough, plow ten or twelve inches deep. After pulverizing the soil make furrows eight or ten inches deep. Plant the seed in furrows six feet apart each way, using eight to ten seeds to a hill, which will require one and a half pounds to the acre. When paper covers are used, planting in the Salt River Valley generally starts in early February and March. If covers are not used, plant after danger of frost is over. As the plants grow, gather the soil around them until the roots are ten or twelve inches below the surface. Thin out surplus plants as soon as they are hardy and well established. Please remember that the roots are as long as the vine; therefore when working close to the vines let the cultivation be shallow. Always cultivate the irrigating furrow when dry enough so as to conserve the moisture. See Liefgreen's guide for insect pests on melons.

EARLY H. B. or HALE'S BEST—An extra early salmon tint of remarkable flavor. Melons are oblong, well netted and attractive. Small seed cavity. Ten days to two weeks earlier than other varieties and yields big. One of the best main crop Melons. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

IMPROVED PINK MEAT or BURRELL'S GEM—Flesh thick, salmon in color and fine flavor; rind heavily netted. One of the best keeping Melons grown and a heavy producer. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

PRICES LISTED ARE POSTPAID.



Select Hale's Best.

Watermelons

(CONTINUED)

Striped Klondike

A recent introduction. Easily attains a size of 25 or 30 pounds or more, and often carries three or four melons at one time. The rind is a trifle heavier than the regular Klondike and is a very good shipper. Pkt., 5c; oz., 20c; ½ lb., 50c; 1 lb., \$1.50; 10 lbs., \$12.50.

ANGELENO WHITE SEEDED—A fine quality early melon nearly round, dark green; flesh bright red and fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

ANGELENO BLACK SEEDED — Much like white seeded Angeleno except in color of seed. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

TOM WATSON—Another large shipping melon of good quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

GEORGIA RATTLESNAKE—Standard variety. Oblong; scarlet flesh, crisp and juicy. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

SWEETHEART—Vines vigorous and productive. Flesh bright red, solid, very tender and deliciously sweet. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

FLORIDA FAVORITE—An old popular long stripe Melon of good quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

EXCEL—Large size, extra good shipper and a heavy yielder. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

IRISH GRAY or GENERAL PERSHING—Color is a yellowish gray. Flesh is a brilliant sparkling red, very sweet and firm. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.



Perfected Perfecto.

PERFECTED PERFECTO—Perfected Perfecto runs large and very uniform in size and has a fairly coarse heavy net. The seed cavity averages very small, usually a half dollar will cover it. The rich, dark, orange-colored flesh extends to the rind. The flesh is fine-grained, melting and of excellent flavor, and for keeping and shipping qualities it is unsurpassed. Seed from hand cut, crown set Melons. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

PERSIAN—This Melon is popular and much in demand. Very large, running from 8 to 10 inches in diameter. Thick yellow flesh of delightful flavor distinctly different from other Melons. Should be picked while firm but not eaten until the rind will give under pressure. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

DELICIOUS GOLD LINED ROCKY FORD—Thick flesh, green in color, with a gold margin next to seed cavity. Has the best flavor of all Rocky Fords. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

HEARTS OF GOLD—A very popular Melon. A strong vigorous grower. The Melons run oval to oblong in shape; very uniform in size. Slightly ribbed and heavily netted. Small seed cavity; rich orange colored flesh, finely grained and of excellent flavor. Remains solid for many days after cutting. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

for Dependable Field, Flower and Garden Seeds

Cantaloupe

(CONTINUED)

HONEY BALL—This melon has become very popular. In appearance it is similar to the Honey Dew, but is smaller and runs more uniform. Has a wonderful flavor and preferred sometimes to the Honey Dew. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

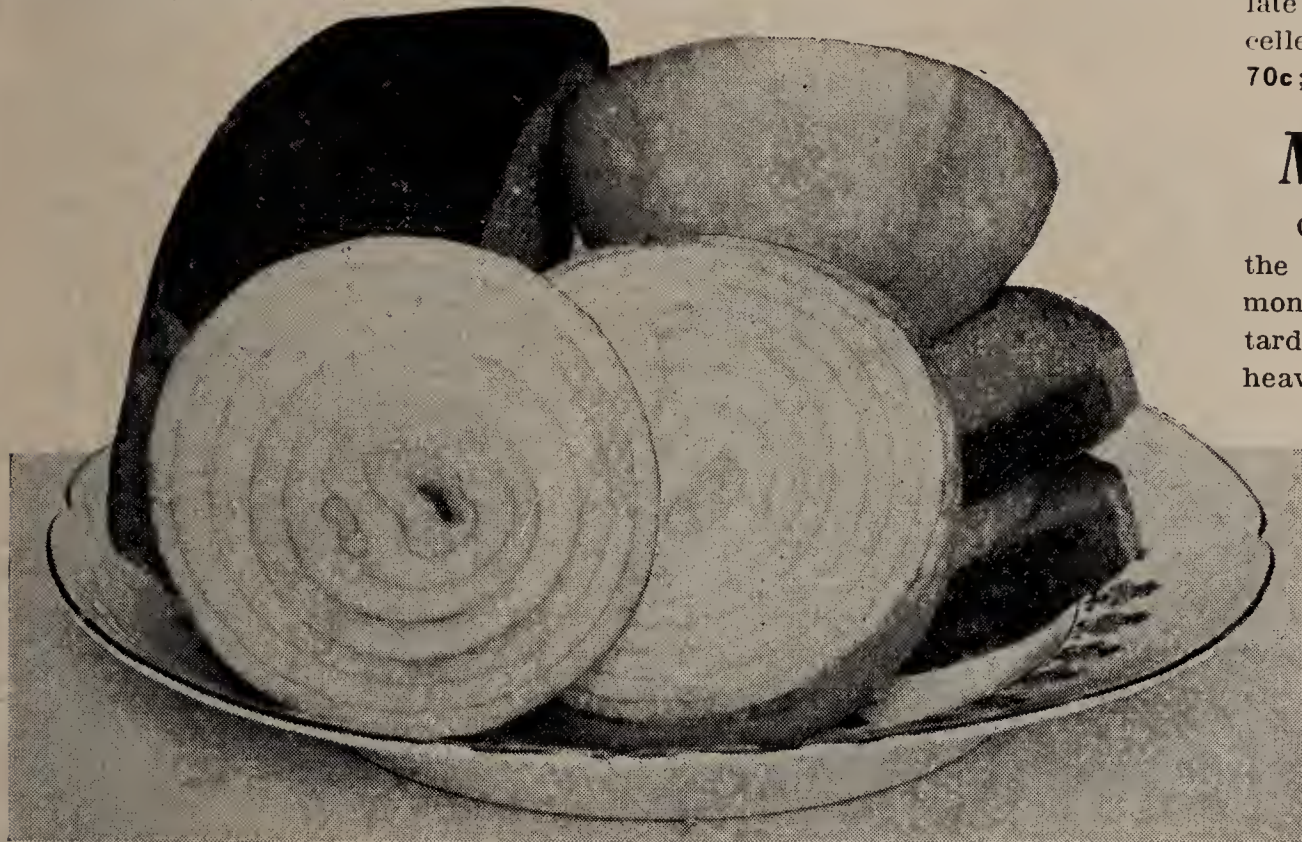
TIP TOP—A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed, slightly netted. Flesh is salmon, rich and sweet. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

EARLY LARGE HACKENSACK—Very early. Good sized melons weighing five to ten pounds each. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.**

Honey Dew and Casaba Melons

HONEY DEW—Excellent flavor, good keeping qualities and very prolific. Flesh is light green and sweet as honey. Ready to pull when green lustre has changed to a creamy yellow and ready to eat when an impression can be made with the thumb. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

GOLDEN BEAUTY—The most popular and the best flavored Casaba Melon grown. Grows from six to eight inches in diameter, is nearly round, slightly pointed at the stem end. The wrinkled skin is a beautiful golden yellow and the rind is very hard. The flesh is pure white and very thick. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**



Crystal White Wax.

Onions—Cebolla

CULTURE—A rich, well drained soil will produce fine Onions. If soil is not well drained it will produce thick necked scallions. A well fertilized sandy loam is the best. In the lower altitudes in Arizona, planting starts in September and continues throughout the Fall and early Winter months. Time of planting depends on the variety. Drill Onion Seed in 14-inch rows and irrigate in the furrows between the ridges to avoid flooding the onion, which causes rot, rendering it unfit to ship or keep. Three pounds of seed is required to the acre for dry Onions or one ounce to the 100 feet. For Green Onions or Bunching Onions plant ten pounds per acre. Our Onion Seed is of the highest type as to germination and purity. Consult with us as to what and how to plant and allow us to quote you quantity prices. Ask for prices on Planet Jr. Seeders.

CRYSTAL WHITE WAX—A large white Bermuda type Onion that has become very popular. It is very early, very mild in flavor and an excellent shipper and keeper. Our seed is of the best type procurable. **Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.**

GREAT GREEN BUNCHING ONIONS—Produces the long, tender, sweet green Onions which are so popular on the table of those who enjoy good eating. **Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.**

SWEET SPANISH or VALENCIA—In this Onion you will find all the good features of a perfect Onion. Very mild, sweet flavor, good firm meat and a fine tender texture. **Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00.**

SILVER SKIN—One of the leading white Onions. A good keeper and shipper. Under good cultivation the average diameter is from four to six inches. The thick skin is a clear silvery white, flesh snow white, sweet and tender. **Pkt., 5c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50.**

YELLOW GLOBE DANVERS—A well known early Onion of fine quality. **Pkt., 10c; oz., 35c; ¼ lb., \$1.10; 1 lb., \$3.50.**

PRICES LISTED ARE POSTPAID.



Muskmelon—Tip Top.

IMPROVED HYBRID—A variety that ripens late and is a good keeper. Thick flesh of excellent quality. **Pkt., 10c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.**

Mustard—Mostaza

CULTURE—Very easy to grow. Sow in the Fall and during the Winter and Spring months. Drill in rows and cover lightly. Mustard is not particular as to soil, but a medium heavy soil is best.

SOUTHERN CURLED—The true curled leaf variety. Cooks like Spinach and has a very agreeable flavor. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

OSTRICH PLUME—Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

CHINESE GREEN CURLED — This is a delicious vegetable, being less pungent than the American varieties. Like Spinach, it thrives during the Winter season. **Pkt., 5c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25.**

YELLOW BERMUDA—Outer skin is of a pale strawish color. A large flattish Onion with a very mild flavor. Very early. **Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00.**

WHITE SWEET SPANISH — Similar to the original Sweet Spanish with the exception that it is white fleshed. Like the original, it is a good keeper. Is globe-shaped and will grow where other onions will thrive. We are very proud of our strain of this onion as it has given wonderful results. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.**

Onion Sets

WHITE SILVER SKINS and YELLOW DANVERS—Lb., 35c; 10 lbs., \$3.00; postpaid. Quantities not prepaid at special prices.



Onion Sets.

Okra or Gumbo—Quimbambo



Okra—Dwarf Green Short Pod.

CULTURE—Okra thrives well in Arizona and is a very popular vegetable. Requires a generous supply of water and responds readily to fertilization and cultivation. Plant after all danger of frost is over in drills and thin to twelve inches apart. Sow one ounce to 50 feet of row. To produce really early Okra plant heavily, at least ten or twelve pounds to the acre.

Parsley

CULTURE—Sow in the Fall or early Spring. As the seed is slow to germinate, a light mulch over the seed bed will retain the moisture and hasten germination. Cover lightly. One ounce of seed will produce about 500 plants.

MOSS CURLED — Excellent for garnishing and flavoring and very decorative. Leaves are very fine and crisp. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

EARLY DWARF GREEN—Short pod. Dwarf, stocky growth, heavy bearer. The pods are medium short, greenish color, tender and of good flavor. The most popular variety. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

LONG GREEN—A very productive variety. Long ribbed pods. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

Parsnip—Cheribia

CULTURE—Plant from October to March. Sow in drills in rich soil ½-inch deep and 15 inches apart. Cultivate like carrots and thin to four inches apart. One ounce of seed will plant about 100 feet of row; five pounds to the acre.

HOLLOW CROWNED—The very best Parsnips, either for table use or for stock. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

Peppers—Pimento o Chili



California Wonder.

CALIFORNIA WONDER—It is the best large fruited Pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender, and of finest flavor. Pkt., 5c; oz., 80c; ¼ lb., \$2.50; 1 lb., \$7.50.

FLORAL GEM—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. Pkt., 5c; oz., 80c; ¼ lb., \$2.25; 1 lb., \$8.00.

PIMIENTO—Every garden should have a row of this Pimiento. For salad, parboil it to remove the skin. Stuffed and baked, it is superior to any other Pepper. Pkt., 5c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$3.50.

MEXICAN CHILI—Popular on account of its extreme pungency. Medium sized and pear shaped. Turns bluish black when dried. Pkt., 5c; oz., 55c; ¼ lb., \$1.85; 1 lb., \$5.50.

Pumpkins—Calabasa

CULTURE—Plant in hills 8 to 10 feet apart each way in March and July and August. Drop five or six seeds to the hill and thin out to one healthy plant. Pumpkins, like other vine crops, should be irrigated carefully, not allowing the water too near the main stalk. About 1½ pounds is required to the acre. Plant plenty of Pumpkins as they make excellent cow and hog feed.

SMALL SUGAR—A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine-grained. Sells better than any other Pumpkin on the local market. Excellent for pies. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

LARGE CHEESE—Large size; reddish orange; flesh thick, fine and sweet. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

JAPANESE PIE

— Nearly solid flesh; the seed cavity being very small, fine-grained, dry and sweet. Taste somewhat like sweet potatoes. They ripen early and are good keepers. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

CONNECTICUT

FIELD—A fine variety for dairy ranches, adding much to the quality and quantity of milk and butter. Excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

IMPROVED YELLOW CASHAW—A crookneck Pumpkin. Solid, fine and sweet. Keeps well. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.



Small Sugar Pie Pumpkin.

Seed Potatoes

Papas o Patata



Plant Potatoes in the Spring as soon as weather conditions will allow. Between 600 and 800 pounds are required to the acre. Plant three or four inches deep in hills nine inches apart in three-foot rows. Cultivate frequently and irrigate only when necessary.

You will note that we have listed only two varieties, which we think are the only and best varieties suited for this section. We also quote only in 10 and 25-pound lots. When larger quantities are wanted we

will quote you the very lowest prevailing prices.

IRISH COBBLER—One of the finest early Potatoes, of uniform size and good quality. Makes a strong growth and a heavy yield. The clean white skin and shallow eyes shows well the fine quality and handsome appearance of this Potato. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; postage extra. Write for quantity prices.

BLISS TRIUMPH—A pink-skinned variety of the best quality and the earliest Potato for this section. Good size and excellent quality. The most satisfactory Potato where moisture is not plentiful and a quick crop is necessary. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; postage extra. Ask for quantity prices.

PRICES LISTED ARE POSTPAID UNLESS OTHERWISE SPECIFIED.

Peas—Chicaros o Alverjoa



Laxton's Progress.

CULTURE—Plant Peas from September 10 to April 1. Peas are very hardy and will stand a great deal of cold. During cold weather plant seed one to two inches deep; in the warmer months plant three to four inches deep. Excessive moisture will rot the seed, so do not irrigate after seed is planted until the plants are well out of the ground. Sixty pounds to the acre is the amount usually used.

LAXTON'S PROGRESS (Early)—Regarded by some large users as the best of the large podded early peas. Vine 18 to 20 inches high, pods large of fine color that stands long distance shipping well and are well filled with large peas of finest quality. Plant on good rich land in September. Large pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00; postpaid.

HUNDREDFOLD—An early variety and a great favorite with the market gardener. Plant in September for fall crop. It is a dwarf variety and produces abundantly the large pods that are well filled with highly

flavored peas. Large pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00; postpaid.

DWARF TELEPHONE—Planted after the Progress, usually in November for a Spring crop. More generally planted by the large growers than any other Pea. Large pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00; postpaid.

IMPROVED STRATAGEM—A very popular late bush variety. Used extensively by the large growers and shippers. The pods are a dark green color and remain firm several days after picking. Large pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00; postpaid.

TALL TELEPHONE—Vines vigorous, growing about four feet high, with large coarse, light colored leaves and producing an abundance of large pods well filled with immense peas. Large pkt., 5c; 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00; postpaid.

WRITE US FOR SPECIAL QUANTITY PRICES.



White Icicle Radish.

Radish—Rabano

CULTURE—Radishes may be planted almost any month of the year in southern Arizona with the exception of the hottest months. They thrive best in light, rich, sandy loam. By planting a long Radish and the small turnip variety at the same time a continuous crop may be had during the entire season. Sow in drills as close as convenient to cultivate. Plant one ounce of seed to 100 feet of drill, ten pounds to the acre.

LONG WHITE ICICLE—The most popular long white Radish. Very early, crisp, sweet and tender. Reaches a length of about six inches. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

EARLY LONG SCARLET—Long bright scarlet. Very brittle and sweet; matures early. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

WHITE TIPPED SCARLET TURNIP—This Radish is a table dainty, crisp, tender and sweet. Turnip-shaped, bright scarlet color, with white tip. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

EARLY SCARLET TURNIP—A handsome scarlet; flavor very mild; crisp and juicy. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

CRIMSON GIANT—Twice as large as any other turnip-shaped variety. Does not get hollow or pithy; flesh white, solid, crisp; mild-flavor. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

FRENCH BREAKFAST—An early variety with good flavor and attractive appearance, being olive-shaped of light scarlet, tipped with white. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

ROUND BLACK SPANISH—Black Skin, white flesh and of firm texture. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

JAPANESE WINTER or SAKURAJIMA—A Japanese Radish of large size. Oval in shape, with cream-colored skin and pure white flesh. Usually sliced for table use. The roots are also cooked like turnips, but have no strong taste. Pkt., 5c; oz., 15c; 1/4 lb., 50c; 1 lb., \$1.50.

EARLY SCARLET GLOBE—Very popular variety on the Phoenix market. The radishes are oval in shape and are a rich scarlet color. Used extensively by market growers. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

MIXED RADISH—A mixture of all the varieties we list. Try this mixture and have them early, medium, late and all sizes. Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 85c.

Rhubarb or Pie Plant —Ruibardo

CULTURE—In the higher altitudes sow the seed from March 1st to July 1st in drills two feet apart. Not very successful in the lower altitudes. In hot, dry climates would recommend planting roots.

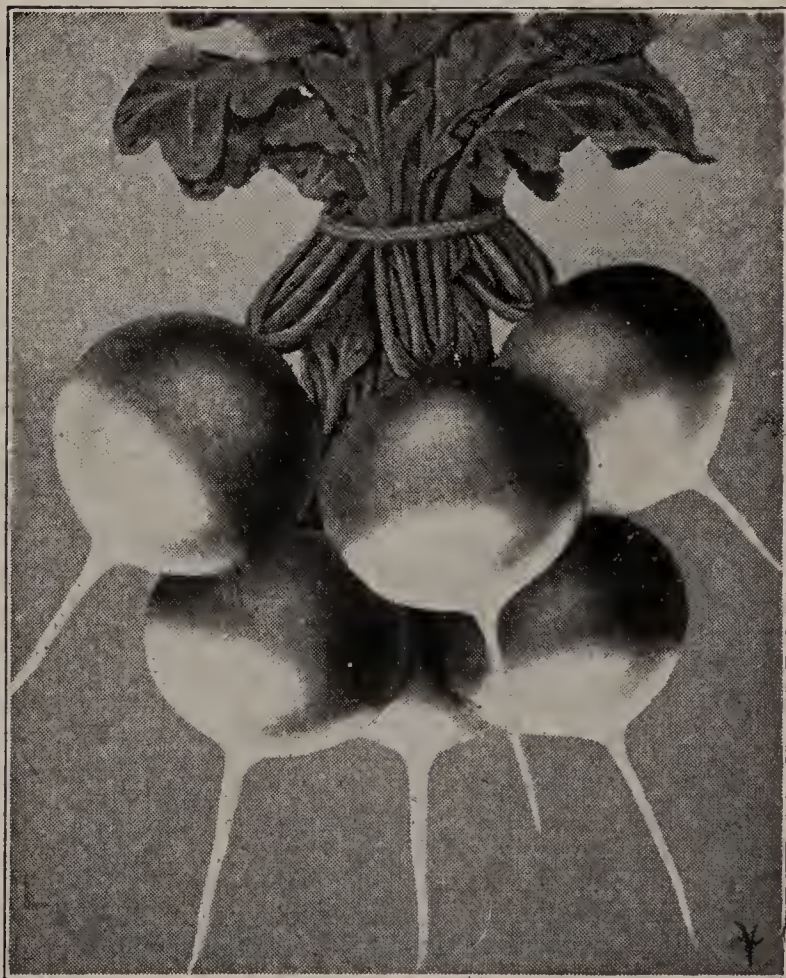
CRIMSON WINTER—Pkt., 5c; oz., \$1.60; 1/4 lb., \$5.00.

Peanuts

SPANISH—Small variety used for hog feed and oil. Lb., 35c; 10 lbs., \$3.00.

VIRGINIA BUNCH—Used for roasting. Lb., 35c; 10 lbs., \$3.00.

PRICES LISTED ARE POSTPAID.



Radish—Early Scarlet Turnip.



Early White Bush Squash.

IMPROVED GREEN TINT WHITE BUSH SCALLOP—Similar to the well-known White Bush Scallop, but selected for the darker green fruit which holds its color longer and makes it very desirable for market purposes. (Bush.) Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

ITALIAN or ZUCCHINI—The variety most favored by market gardeners, is very early, prolific, fruits when immatured a light mottled green, very attractive and of finest quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

BLACK ZUCCHINI—Similar to the regular Zucchini with the exception of being a very deep green in color. Especially desirable for market growing and shipping purpose. (Bush.) Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

EARLY SUMMER CROOKNECK—A small crookneck Summer Squash. Skin bright yellow. This is the richest of Summer Squashes. Very early and productive. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

IMPROVED HUBBARD—By far the most popular hard-shelled Squash. Unsurpassed for baking and for pies. Dark, bronze green skin and flesh is fine-grained, thick, dry and richly flavored. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

FORDHOOK—One of the best late varieties and will keep well through the winter if stored in cool, dry place. Thick skin of bright yellow color, heavy meat. Excellent for baking, like sweet potatoes, or pie-making. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.25.

TABLE QUEEN—A small squash growing about 7 inches long and 4 to 5 inches thick. The color is deep green with the under portion an orange red where it rests on the ground. Very sweet and fine grained and suited for home garden or market. An excellent keeper for winter use. Cut in two when baked, each half is sufficient to serve one person. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.



Spinach-Hollandia-Prickly Winter.

Squash—Calabaza

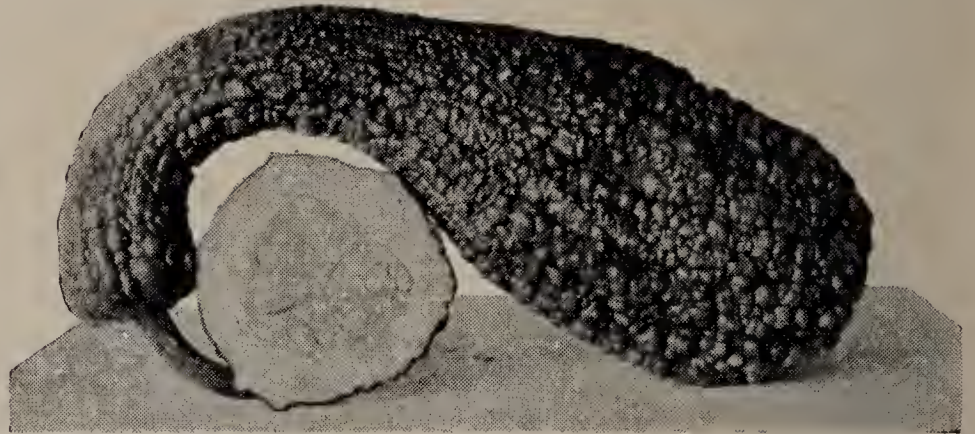
CULTURE—Sow in the Spring after all danger of frost is over and also in the Fall in time to mature a crop before frost. Light, warm soil is best. Plant bush varieties in hills three to four feet apart and vining varieties from six to eight feet apart. Plant about six seeds to the hill and thin out to the three best plants. One ounce will plant about 40 hills of bush varieties and about 15 hills of vining varieties. Two or three pounds is required to the acre.

GOLDEN HUBBARD—Similar to green Hubbard except in color, which is a deep orange. Deep golden yellow flesh, fine grained; cooks dry and is of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

BANANA—A deservedly popular variety growing 18 inches to 2 ft. long, 6 to 8 inches in diameter; skin grayish

blue; flesh, yellow and fine grained. An excellent table variety without a hard shell. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

GOLDEN YELLOW STRAIGHTNECK—Select type of golden summer squash with a straight neck instead of curved. For this reason it is more desirable for packing in boxes for shipping. (Bush.) Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.



Early Summer Crookneck Squash.

Spinach—Spinaca

CULTURE—Sow in drills 12 to 18 inches apart, and for a succession, plant every two weeks. Cultivate often and keep free from weeds. Sow from September 1 to April, using one ounce of seed to 75 feet of row and from 20 to 25 pounds to the acre.

PRICKLY WINTER-HOLLANDIA (Broad Leaf)—A splendid Fall and Winter variety, quick growing with large green leaves. The leading variety in the Salt River Valley. We import thousands of pounds of this variety from Holland every Fall for Valley growers. Ask for quantity prices. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 50c; 5 lbs., \$2.25.

BLOOMSDALE—A favorite with market gardeners. Has thick, dark green wrinkled leaves and is very hardy. Very early and one of the best for Fall use. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 50c; 5 lbs., \$2.25.

NEW ZEALAND—A large seeded cut-and-come-again variety. Not planted commercially. One plant will cover a four-foot area. Try a packet for the family garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Salsify—Salsifi Blanco or Vegetable Oyster

CULTURE—Plant during the early Spring months. Sow one inch deep in drills 12 inches apart and thin out to about three inches in the row. The soil should be deep and loose and never allowed to get dry.

SANDWICH ISLAND—An improved type and the largest and most delicious Salsify in cultivation. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

PRICES LISTED ARE POSTPAID.

GROW PLENTY OF VEGETABLES

Tomatoes—Tamata

CULTURE—Tomatoes do best on light, warm, rich soil. Sow in hot beds about eight weeks before they are to be set in the field. The time of planting depends on the soil and climatic conditions. If you want early market Tomatoes, we advise covering with Hot Kap Plant Protectors for frost protection. Transplant three to six feet apart in rows four to six feet apart, the distance apart to be governed by the nature of the plants, whether compact, upright growth or of vining habit. Plow and pulverize the soil to a good depth so that the roots may penetrate deeply and avoid the hot surface soil. Use about one-fourth pound of seed for field planting or one ounce of seed for every 2,000 plants in the hot bed.

SELECT EARLIANA—The most popular first early variety grown in the Salt River Valley. The plant is very hardy, with light foliage which tends to early ripening. Yields well and the fruit is solid and of fine quality. Pkt., 5c; oz., 40c; ¼ lb., \$1.35; 1 lb., \$4.00.

CHALK'S EARLY JEWEL — Nearly as early as Earliana. Fruit large and of fine flavor. Pkt., 5c; oz., 40c; ¼ lb., \$1.35; 1 lb., \$4.00.

IMPROVED NEW STONE—The most popular Summer Tomato. Good size, bright red, solid, smooth and enormously productive. Pkt., 5c; oz., 55c; ¼ lb., \$1.85; 1 lb., \$5.50.

NORTON WILT RESISTANT—A wilt resistant Stone Tomato that has gained popularity owing to its wilt resistant qualities. Pkt., 5c; oz., 55c; ¼ lb., \$1.85; 1 lb., \$5.50.

LIVINGSTON'S BEAUTY—A large purple scarlet Tomato producing large fruit of perfect shape. It ripens early, has firm flesh of excellent quality and the seed cells are very small. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.



Select Earliana.



Break o-Day.

PHOENIX SPECIAL—A good Summer Tomato. Bright purple scarlet almost globular in shape. Very productive and quite early. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.

PONDEROSA or BEEFSTEAK — A very large purple Tomato with very few seeds and of excellent flavor. The color is bright red with very firm substantial meat and luscious flavor. Pkt., 5c; oz., 70c; ¼ lb., \$2.35; 1 lb., \$7.00.

DWARF STONE—Very erect habit of growth, allowing plants to be set as close as 18x24 inches. Very prolific, smooth and ripens early. Color, bright red. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.

DWARF CHAMPION—Commonly called Tree Tomato. Early, medium large, purplish pink fruit. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.

MARGLOBE—The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. You can make no mistake in planting your main crop of Marglobe. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.

BREAK O-DAY—One of the earliest varieties. Developed by the U. S. Dept. of Agriculture. Medium size, solid fruit of bright red color. Excellent for the home garden, market and shipping as fruit is of beautiful color and a good shipper. Pkt., 5c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$4.50.

RED CHERRY—Small bright scarlet fruits borne in clusters. Pkt., 10c; oz., 60c.

HUSK or GROUND CHERRY TOMATO—Immensely productive. The small fruits are enclosed in a husk. Pkt., 10c; oz., 60c.

YELLOW PEAR—The leading favorite for preserves. Bright yellow pear-shaped fruit. Rich and distinct flavor. Pkt., 10c; oz., 60c.

FIRST EARLY—An exceptionally good strain of Earliana Type, fruit high color, solid and smooth. This tomato packs and ships very well and matures in 94 days. We recommend this variety as one of the best of the early tomatoes. Pkt., 5c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$5.00.

Turnips—Nabo

CULTURE—Turnips are of very easy culture. Sow from September 1 to March 1, either broadcast in loose loamy soil or in double rows on ridges not too thick. One ounce of seed will plant about 75 feet of row or three pounds broadcast to the acre.

PURPLE TOP WHITE GLOBE — The most popular and the most attractive Turnip on the market. Grown almost exclusively by the market gardeners in this section. It is a rapid grower, has pure white flesh and the best flavor of any Turnip grown. The skin is white, with a purplish top. Slow to get pithy and marketable at almost any size. Our seed is grown from selected roots and we offer

this variety over all others. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

PURPLE TOP STRAP-LEAVED—Quick grower. Flesh very fine grained and sweet flavored. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

WHITE EGG—An egg-shaped variety for early or late planting. Flesh firm, fine grained, mild and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

EARLY WHITE FLAT DUTCH—White, flesh, medium size, quick growth. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

GOLDEN BALL—Round, smooth yellow Turnip of fine quality. Good keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Rutabaga or Swedish Turnip

CULTURE—Same as for Turnips.
IMPROVED YELLOW PURPLE TOP—The popular standard variety, both for stock feeding and for table use. Yellow flesh, solid and sweet.

Prices: Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

Liefgreen's 8-9-6 Mixture

Use our complete fertilizer 8-9-6 mixture for vegetable and flowers, lawns, trees, shrubs, etc. 5 pounds 40c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00; F. O. B. Phoenix.



Purple Top, White Globe.

Vegetable Plants and Roots

Owing to the expense of packing plants we do not ship orders for less than \$1.00. When we ship plants by mail or express we do so at the buyer's risk, and we do not ship plants C. O. D. Prices quoted in dozen and 100 lots are postpaid. Write for quantity prices.

Artichoke Plants

Large offshoots—25c each, 6 for \$1.35; per dozen \$2.50; postpaid.

Asparagus Roots

Asparagus is very easily grown. For the small garden set plants 12 inches apart in 2½-foot rows. Set the plants eight or ten inches deep in well fertilized trenches. After frost in the Fall cut the dead tops and mulch the surface. Large healthy roots in stock from January until May. Per dozen, 30c; per 100, \$1.50; postpaid.

Rhubarb Roots

PANAMA—This variety yields twice as much as any other Rhubarb and requires half the amount of sugar; has very little acid and requires no peeling. Roots, 25c each; \$2.50 per dozen.

WAGNER'S GIANT—A well-known variety. Very hardy and grows rapidly. Large stalks of very fine flavor. Roots, 25c each; \$2.50 per dozen; postpaid.

Cabbage Plants

Leading varieties. From September 15 to May 1. 25c per dozen; \$1.00 per 100; postpaid.

Cauliflower Plants

SELECTED EARLY SNOWBALL—From September 15 to May 1. 35c per dozen; \$1.25 per 100; postpaid.

Egg Plant

NEW YORK ROUND PURPLE AND BLACK BEAUTY—From about March 1st until May 15th. Per dozen, 35c; \$1.50 per 100; postpaid.

Pepper Plants

CHINESE GIANT, CALIFORNIA WONDER, ANAHEIM CHILI AND PIMIENTO—From about March 1st until June 1st. Per dozen, 35c; \$1.50 per 100; postpaid.

Tomato Plants

Grown from selected seeds—**EARLIANA, PHOENIX SPECIAL, BEEFSTEAK, BEAUTY, MARGLOBE, NEW STONE, DWARF CHAMPION and DWARF STONE**—Ready about March 1st until May 15th. Per dozen, 25c. \$1.00 per 100, postpaid.

ASK FOR PRICES IN 1,000 LOTS OR MORE.

It's Easy to Kill Insects WITH NEW EVER GREEN SPRAY

PROTECT THE BEAUTY OF YOUR GARDEN.

New Ever Green Spray greatly simplifies insect control. It does away with complicated and confusing instructions. Provides you with one product that will take care of 95% of the insect troubles in home gardens. All you have to do is add water and spray.

The deadly pyrethrum content of New Ever Green kills insects on plants such as aphids, leafrollers, rose beetles and many others of the more resistant insects—both chewing and sucking. It won't injure tenderest blossoms. It is non-poisonous to men and animals.

Prices: 1 oz., 35c; 6 oz., \$1.00; 16 oz., \$2.00; F. O. B. Phoenix.



HOTKAPS Mature Your Crops Earlier



HOTKAPS protect growing plants against rain, wind, cold, frost, birds, insects and other destructive forces. Each one is a miniature hothouse, maintaining a perfect mulch and forcing growth and development. With HOTKAPS, crops mature 2 to 3 weeks earlier and yield is 10 to 25 per cent greater. They are

used on all kinds of small plants in every state of the Union.

HOTKAPS are patented waxed paper cones, easily set out with a convenient steel setter. One man can place 3,000 or more a day. You can be

sure of your crops if you use HOTKAPS—they pay for themselves many times over.

Weight: 1,000 package HOTKAPS, 28 lbs., 250 package, 9 lbs.; Steel HOTKAP Setter, 3 lbs.

Prices: 100 lots, \$1.25; 1,000 lots, \$8.50; 5,000 lots, \$8.00 per 1,000. Steel Hotkap Setter, \$1.50; Tin Hotkap Setter, 50c; F. O. B. Phoenix.

Peat Moss Mulch

Loosens soil—ideal for top dressing on lawns and for mulching bulbs, shrubs and roses.

Our imported peat moss will do wonders for any tight soil and improve the moisture holding qualities of any soil. We recommend mulching established lawns from ½ to 1-inch deep either in the fall or spring. Use peat moss on your rose and flower beds, around shrubs, or anywhere you desire to loosen soil and hold moisture. 5c per lb.; ½ bale, \$2.25; bale, \$4.00; F. O. B. Phoenix.

PRICES LISTED ARE POSTPAID UNLESS OTHERWISE SPECIFIED.

Field Seeds

LIEFGREEN BRAND CHILIAN ALFALFA SEED—Chilian Alfalfa seed is the type used very extensively in the Salt River Valley. Plant 20 pounds per acre. 1 lb., 35c; 10 lbs., \$3.00; postpaid. Write for quantity prices.

LIEFGREEN BRAND HAIRY PERUVIAN ALFALFA SEED—Produces remarkable amount of tonnage. 1 lb., 35c; 10 lbs., \$3.00; postpaid.

SUDAN GRASS—A drouth-resisting annual. Grows in a wide range of soils, from sand to heaviest adobe. 1 lb., 25c; 10 lbs., \$2.00; postpaid. Write for quantity price.

STANDARD MILO MAIZE—A distinct strain of highly selected Maize, field rogued and carefully harvested. Plant three pounds to the acre in 3-foot rows. 5 lbs., 50c; 10 lbs., 85c; postpaid.

LIEFGREEN'S DWARF MILO MAIZE—A very select strain of Dwarf Milo Maize growing to a height of from four to five feet. Makes a heavy stock and produces heavily. Plant three pounds to the acre. 5 lbs., 75c; 10 lbs., \$1.25; postpaid.

LIEFGREEN'S RE-SELECTED HEGARI—Harvested from selected heads. Unlike most other sorghums, Hegari not only produces a heavy crop of grain, but because of the sweet, juicy stalk and foliage it has the added feature of making good pasture or roughage and excellent silage. 5 lbs., 50c; 10 lbs., 85c; postpaid.



STANDARD BARLEY—The common or bearded variety of Barley is the staple feed grain of the Southwest and is unequalled as a Winter pasture for cattle and sheep.

BEARDLESS BARLEY—Best for hay and much in demand when a dependable strain can be had.

CYCLONE SEEDER—Thirty to forty acres of alfalfa, millet, etc., can be sown in a day with this little machine. It broadcasts evenly and can be used with perfect success. Each \$2.60, postpaid.

TEXAS RED OATS—For Fall and Spring sowing in Salt River valley.

EARLY BAART WHEAT—The best strain of milling wheat for central and southern Arizona and Mexico. Planted from October to March.

CLUB WHEAT—The most popular soft spring wheat.

EARLY AMBER CANE—One of the most widely and quickly grown forage crops both for cows and horse feed. For pasture we recommend sowing from 50 to 60 pounds per acre.

RED TOP CANE—This variety is more extensively grown for cattle and hog pasture, and will make an abundance of fodder either green or cured.

TEXAS SEEDED RIBBON CANE and ORANGE CANE are the two best varieties when grown for syrup purposes. Write for prices.

DWARF ESSEX RAPE—Recommended as a pasture for sheep and hogs, furnishing fine pasture in six to eight weeks after planting. Rape is best sown in drills at the rate of five pounds per acre. 1 lb., 25c; 10 lbs., \$1.75; postpaid.

SUNFLOWER—Single heads measure 15 to 20 inches in diameter, and contain an immense amount of seed, which is highly valued by poultry breeders as poultry feed. 1 lb., 25c; 10 lbs., \$2.00; postpaid.

GOLDEN MILLET—An excellent catch crop. May be planted as late as September 15 in the Salt River Valley and still produce a good crop of hay. Sow 30 pounds per acre. 1 lb., 20c; 10 lbs., \$1.50; postpaid.

WINTER RYE—Grown here only as a Winter pasture crop since it does not make grain profitably. Prices on application.

VETCH—Sow 40 pounds per acre with grain. Is hardy and makes a fine Winter growth. 1 lb., 20c; 10 lbs., \$1.50; postpaid. Write for quantity price.

All grain prices are subject to change without notice. We do not quote prices here. Please ask for samples and prices, stating quantity. Small quantities listed are postpaid.

Field Peas and Beans

WHIP-POOR-WILL COW PEAS—As a soil renovator and a fertilizer the Cow Pea is in a class by itself. The heavy cropping of our soil year after year necessitates careful crop rotation to keep the land fertile and in good producing condition, and the Whip-poor-will has proven one of the best varieties for this purpose in the Arid Southwest. They should be planted at the rate of 50 to 100 pounds to the acre. 1 lb., 25c; 10 lbs., \$1.75; postpaid. Ask for quantity prices.

BLACK-EYED PEAS—We have found that this variety does better in this section than any other. It is easy to grow, does well, and produces more dry peas and more vine than any of the varieties we have yet tried. 1 lb., 25c; 10 lbs., \$1.75. Write for quantity prices.

PINK BEANS—These are planted extensively throughout various sections of the Southwest for dry beans. They require about 105 days to mature; therefore, should be planted in climates similar to the Salt River Valley, about the last week in July. Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. Price for hand-picked beans: 1 lb., 25c; 10 lbs., \$1.75. Write for quantity prices.

SESBANIA—Wild Hemp—Sesbania is a vigorous annual growing Legume. It thrives in warm weather and will grow on alkali and other poor soils. Sesbania is a very fast growing plant requiring only 8 to 10 weeks from time of germination to time of plowing under. Sow broadcast at the rate of 30 to 40 pounds per acre. We consider Sesbania the very best fertilizer crop for summer growth. 1 lb., 25c; 10 lbs., \$2.00; postpaid. Ask for quantity prices.



Clovers and Grass Seeds

SWEET CLOVER (Melilotus Alba) or White Blossom Sweet Clover—Sweet Clover is used for hay, pasture and green manure as well as fertilizing and renovating worn-out and alkaline soils. Sow in the Spring or Fall at the rate of 20 to 25 pounds to the acre. Scarified Seed per pound, 30c; 10 lbs., \$2.50; postpaid. Write for quantity price.

MELILOTUS INDICA (Sour Clover)—A Clover native to the Salt River Valley. Melilotus Indica is the best legume with which to build up your soil. It is easily plowed under and very rich as a fertilizer. As a cover crop in citrus groves it has no equal. We offer only the best quality, thoroughly re-cleaned and scarified seed. 1 lb., 15c; 10 lbs., \$1.25; postpaid. Write for quantity price.

BROOM GRASS (Bromis Inermis)—This grass is most satisfactory in all localities where arid soils demand a plant that will stand the drouth. Its nature is to stool and it seldom produces seed the first year. We think it will prove an excellent pasture grass for general range purposes. 1 lb., 60c; 10 lbs., \$5.50; postpaid. Write for quantity price.

BERMUDA GRASS—May be used for pasture or for lawn in southern climates. It requires three weeks under favorable conditions to germinate Bermuda Grass and it should be kept thoroughly soaked during that time. 1 lb., 50c; 10 lbs., \$4.50; postpaid. Write for quantity price.

RED TOP PASTURE GRASS—Another pasture grass for the higher altitudes. Succeeds on all soils from moist to swampy land, making a permanent pasture, and furnishing a highly nutritious feed. Hulled seed. Sow 15 pounds per acre. 1 lb., 30c; 10 lbs., \$2.50; postpaid. Write for quantity price.

TIMOTHY—Much Timothy is sown in our higher altitudes throughout the Southwest, where it is quite successful. It requires 15 pounds per acre when sown alone. 1 lb., 25c; 10 lbs., \$2.00; postpaid. Write for quantity price.

ORCHARD GRASS—A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. After being cut it comes up quickly and yields heavily. Sow 35 pounds per acre. 1 lb., 35c; 10 lbs., \$3.00; postpaid. Write for quantity price.

PRICES LISTED ARE POSTPAID TO AND INCLUDING 3rd (THIRD) ZONE ONLY.

Gladiolus

Plant more Gladiolus bulbs this winter. This beautiful flower thrives exceedingly well when planted from November on during the winter months.

Gladioli will thrive in almost any soil with the exception of extremely heavy soils. They require full sunlight and are liable to injure only from rank manure. Plant the bulbs six to nine inches apart to a depth of about four inches. We recommend free use of water during the season of active growth, particularly as the buds begin to show color, which is beneficial in producing fine flowers. We can furnish Gladiolus bulbs from November to March.

The following varieties are all choice selections. Plant them freely.

GOLD EAGLE—Deep rich yellow blooms daintily frilled. 4 for 25c; per doz., 60c.

MRS. VAN KONYNENBURG—Matchless aniline-blue. Fine healthy grower. 3 for 25c; per doz., 75c.

DR. BENNETT—Peerless flaming scarlet variety with ruby throat. Flowers of good substance. 3 for 25c; per doz., 75c.

PFITZERS TRIUMPH—One of the largest and most striking Gladioli. It is a flaming scarlet orange though usually placed in the red class. 3 for 25c; per doz., 85c.

MRS. LEON DOUGLAS—Said to be the largest Gladiolus in existence. Color is Begonia rose, striped with flame and brilliant scarlet. 3 for 25c; per doz., 75c.

GLORIANA—Golden salmon with pure yellow throat. Large flowers; many open at one time. 4 for 25c; per doz., 60c.

MINUET—An exquisite flower of beautiful clear lavender. The spikes are of good size and florets nicely placed on straight stems. 4 for 25c; per doz., 75c.

MRS. FRANK PENDLETON—Rose pink with carmine blotch. 4 for 25c; per doz., 60c.

CRIMSON GLOW—Glowing velvety crimson, shaded deeper in center; tall, strong grower and flowers well placed. 4 for 25c; per doz., 75c.

ALBATROSS—One of the finest white Gladiolus. The spikes are large with flowers of wonderful substance. No markings in throat. Each, 10c; per doz., \$1.00

VICTOR—Brilliant red and white blotch. A beautiful flower. 4 for 25c; per doz., 60c.

LIEFGREEN'S SPECIAL COLLECTION—One each of the above 19 varieties for \$100, postpaid.

LIEFGREEN'S SPECIAL MIXTURE—Includes all of the fine varieties listed above. Per doz., 50c; per 100, \$3.75; postpaid.



Gladiolus.

BERTIE SNOW—Very fine light lavender with lovely silken sheen, 4 for 25c; per doz., 60c.

W. H. PHIPPS—The wonder Gladiolus. Spikes are enormous with several flowers open at the same time. Lovely Salmon-Pink; lower petals faintly speckled ruby. A prize winner. 3 for 25c; per doz., 85c.

NANCY HANKS—Rich apricot to orange pink. Fine placement with many florets open at the same time. 4 for 25c; per doz., 75c.

ORANGE QUEEN—Exceptional Primulus variety with superb spikes of distinct glowing apricot-orange color. Very striking. 4 for 25c; per doz., 75c.

BETTY NUTTAL—One of the newer introductions. The flowers are vivid orange, pink and yellow, and form a wonderful spike of splendid substance. Tall and vigorous. Each, 10c; per doz., \$1.00.

MRS. P. W. SISSON—Immense, ruffled soft pink. 4 for 25c; per doz., 60c.



Canna.

Cannas

Cannas are the most easily grown and most useful bedding plants we have. They thrive in any soil, but respond quickly to good treatment. Spade the Canna bed to a depth of two feet, incorporating any fertilizer that may be at hand, and keep the plants well watered. The results will be surprising.

LARGE RED—Each 10c; dozen, \$1.00; postpaid.

LARGE YELLOW—Each, 10c; dozen, \$1.00; postpaid.

LARGE, BEAUTIFUL PINK—Each, 15c; dozen, \$1.50; postpaid.

Amaryllis

BELLADONNA MAJOR—Luxuriant foliage during fall, winter and spring. In late spring the foliage dies off and during the summer months the flower stalks rise from the bare ground with umbells of lovely rose-pink lillies. Flowers are fragrant and keep well. The bulbs should be planted during the late fall and winter and spring months, but do not always bloom during the first year. Large size bulbs, 25c each, \$2.50 per doz., postpaid.

VITTATI HYBRIDS—The finest of this class. The flowers have six petals of velvety texture, which curve back and open wide so that these gorgeous flowers often measure 8 to 10 inches across. The colors vary through all shades of red, scarlet, pink and white. 75c each, 3 for \$2.00, postpaid.

JOHNSONI—Brilliant red and very large flowers. One of the very finest. Very seldom fail to bloom. 60c each, 3 for \$1.50, postpaid.



Amaryllis.

White Calla Lily

The Calla is very popular as a house plant and also excellent for outdoor culture. If grown out of doors plant in a partially shaded location. Bulbs should be taken up every third or fourth year and separated. When dug dry thoroughly and transplant. In the colder climates bulbs should be taken up for the winter. **25c each; 6 for \$1.30; \$2.50 per dozen; postpaid.**

Yellow Calla Lily

One of the most attractive flowers grown, suitable for outdoor bedding or pot culture. The blossom is large and a deep golden yellow. The leaves are spotted white. **Each 25c; 6 for \$1.30; per doz., \$2.50.**

Caladium

ELEPHANT'S EAR—The leaves of immense size on massive stems grow to a height of four feet. For a tropical effect this plant has no equal. First size: **Each 35c; 3 for \$1.00.**

Ranunculus—Giant "Tecoleté"

A more wonderful display of color cannot be pictured than a mass of Ranunculus in full blossom and we know of no other bulb that will give the profusion of blooms for the amount of money expended. The large globular flowers 2 and 3 inches across carry a wide range of bright shades including crimson, orange, pink, yellow and white, with some striped and variegated borne on strong stems 8 to 18 inches in length. A most gorgeous effect in beds and borders, while as cut flowers they are very satisfactory, keeping fresh in water for a long time. Once grown you will never be without them.

CULTURE — In warm climates, Ranunculus may be planted in early Fall for winter bloom and from that time in succession until spring. In colder climates where the ground freezes, the bulbs should be planted when the frost is well out of the ground and danger of heavy freezing is past, or started in hot beds and transplanted. For pot grown winter flowers, plant early in Fall, water thoroughly and plunge in ashes or sand until sprouted.

The bulbs resemble tiny clumps with finger-like projections which should be planted pointed down. Soak the bulbs in water over night and cover about 2 inches deep, 4 to 6 inches apart, and if soil is at all heavy, cover with sand in order that leaves will push through readily without heaving the soil. A rich under-soil is desirable, but use no fresh fertilizer around the bulb. Plant



Tuberose.

MEXICAN EVERBLOOMING—The most fragrant of all Tuberoses and a wonderful bloomer. Flowers are pure white and clustered from six to a dozen on stiff stems, making them excellent for cut flowers. The bulbs of these multiply from year to

year, producing great masses which should be separated and transplanted every three years. They are very hardy and will grow and bloom in the hottest weather. A dozen bulbs will plant a row six feet long. **Each, 10c; dozen, 50c.**

Antigonon Leptopus

CALLED QUEEN'S WREATH AND ROSA DE MONTANA

A rapid growing and lovely vine with heart-shaped leaves and bearing quantities of rose pink flowers in wreaths. Blooms in the Summer and Fall. A vine which will thrive in hot, sunny situations and if

cut down by frost will come up again in the Spring. A very popular vine in the Salt River Valley and similar climates. Strong 4-year-old roots. **Each, 50c; postpaid in the 1st, 2nd and 3rd zone.**



Ranunculus.



TALISMAN

ROSES

BUSH VARIETIES

All Roses Listed Are Strictly Number 1 Grade.

CULTURAL DIRECTIONS—Plant as soon as possible after unpacking, keeping the roots moist and protected in the meantime. If the plants have dried out excessively during shipment, bury them, tops and all, in moist earth before planting.

Roses do well in almost any soil, and prefer a fully exposed sunny position. Before planting, the earth should be spaded to a depth of 18 inches and if possible a small amount of well-rotted manure mixed thoroughly with the top soil. Manure which is fresh or nearly so, must not be in direct contact with the roots.

Rose bushes should be given a heavy pruning in the Winter season from November to February, while dormant, or a little later in the Spring in colder sections. All small twiggy growth should be removed, leaving only several large stalky canes. Another lighter pruning is advisable in the middle of Summer, when the plant is usually dormant for a short time between blooming periods.

Roses require a large amount of water, particularly in regions of light rainfall, and should never be allowed to dry out during the growing season. The foliage need not be moistened except for an occasional sprinkling in the early morning to wash off the dust. Roses will respond to liberal application of fertilizer, and a mulch of well-rotted manure on top of the ground will serve the purpose of feeding the plants and keeping the ground moist.

If wanted by mail, add 10c per bush for postage. Express shipments will allow for more packing around the roots and we suggest having them expressed rather than mailed. 10% may be deducted from the listed price when ordering in quantities of 6 or more roses.

AMERICAN BEAUTY—One of the best Roses for the hot interior sections of the Western United States. Does magnificently in Arizona. Throws especially fine, large blossoms during early Fall and Spring. Rich, rosy Crimson. **Each 50c.**

AUTUMN—Medium size buds and double flowers with novel coloring of burnt orange, streaked with red. Strong grower and healthy foliage. **Each 60c.**

E. G. HILL—Very popular rose with long and nicely formed buds of glowing scarlet. Does not fade or turn purple. **Each 50c.**

BRIARCLIFF (H. T.)—Bud one-third longer than Columbia, very large, long pointed flower $4\frac{1}{2}$ inches across, high center, lasting, moderate fragrance, deep rose-pink at center, passing to lighter on outer petals, with a touch of citron-green at base, borne singly on long, strong stem. **Each 50c.**

CECILE BRUNNER—(Bush). The popular miniature rose; bright salmon pink. **Each 50c.**

CALEDONIA—One of the finest white roses grown. The buds are long and pointed with the outer edges gracefully rolled. Free blooming and fragrant **Each 50c.**

CONDESA DE SASTAGO—This is one of those brilliantly colored roses which draw the Ohs and Ahs from everyone who sees the rose for the first time. Cup shaped, bi-colored flowers, glowing orange color on the inside of the petals and bright yellow on the outside. Makes a startling color flash. Not very double but very fragrant. **Each 85c.**

COLUMBIA (H. T.)—It is a big Rose. The color is a true pink, about the shade of a perfect Shawyer, deepening as it opens to glowing pink. **Each 50c.**

DAME EDITH HELEN—An engaging soft rose pink and the immense flowers are delightfully scented. The plant is very vigorous. **Each 50c.**

ETOILE DE HOLLAND (H. T.)—Flower bright red, of medium size, fairly full, deliciously perfumed; growth vigorous, upright. A rose of great future. **Each 50c.**

FEU JOSEPH LOOYMANS—Remarkable for its long pointed buds of glowing orange buff and moderately double yellow flowers. Fragrant and excellent for cutting. Exceptionally fine. **Each 60c.**

GLORIA MUNDI—Polyanthus type. The flowers are a striking orange scarlet and borne in graceful clusters. Continuous bloomer. **Each 60c.**

GOLDEN OPHELIA (H. T.)—This is a sturdy, stiff-stemmed grower, with beautiful foliage, quite closely set, and glossy. The flower is of medium size from a beautifully formed bud of bright golden yellow. Profuse bloomer. **Each, 60c.**

GOLDEN EMBLEM—A most beautiful deep golden yellow, occasionally flaked with crimson on the outer petals. Foliage is a rich glossy green. **Each 60c.**

HADLEY—Deep velvety crimson, retaining its color at all seasons. The buds are well formed, large, full and long. It is a free bloomer and fragrant. **Each 50c.**

KAISERIN AUGUSTA VICTORIA—Probably the best creamy white rose grown for garden purposes in Arizona. **Each 50c.**

LORD CHARLEMONT—A gorgeous and brilliant dark red rose with blossoms of intense, clear, crimson-scarlet, deepening to carmine crimson with almost black shadings. Perfectly shaped long pointed buds and large double fragrant flowers. **Each 50c.**

LOS ANGELES—A luminous flame pink toned with coral and shading to gold at the base of the petals. **Each 50c.**

LADY MARGARET STEWART—A rose of unique and distinct color, the flowers in the young stage are a deep sunflower yellow heavily veined and splashed with orange-scarlet with the reverse petals suffused with carmine. **Each 60c.**

LADY HILLINGDON—Slender, pointed buds and elegantly cupped flowers of deep saffron-yellow, paling toward the edges and becoming lighter as they expand; fragrant. The plant is erect with perfect foliage. **Each 60c.**

MARGARET MCGREDY—Another rose that offers a distinctly new color in roses. Large brilliantly colored double flowers of an entrancing shade of Oriental red, passing to carmine-rose. A rose that keeps for a long time. **Each 50c.**

MISS ROWENA THOM—A California introduction that has received favorable comment from rose lovers everywhere. Buds are very large and long pointed—enormous flowers five to six inches across, fully double and opening perfectly. A color blend of fiery rose and rosy mauve with old gold. **Each 50c.**

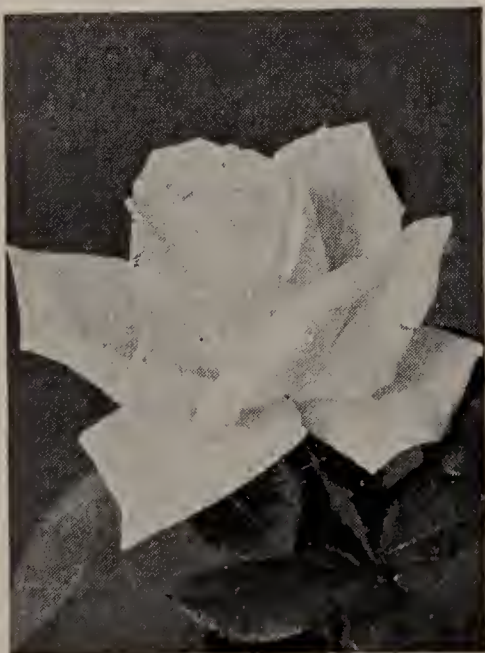
MADAM BUTTERFLY—Light salmon with light yellow shading, a perfect gem. Foliage leathery, stems strong, a fine variety for cut flower. **Each 50c.**

MME. EDOUARD HERRIOT—The famous Daily Mail Rose. Buds coral red shaded with yellow at the base. Open red flowers of medium size, when fully expanded they take on a superb coral. **Each 50c.**

Add 10c per plant up to three plants and 5c each for four plants or more if desired by mail. This covers postage and extra care in packing. Order early.



PINK RADIANCE



CALEDONIA.



COLUMBIA

ROSES

BUSH VARIETIES

MRS. SAM McGREDY—A beautiful and distinct combination of vivid shades—coppery orange heavily flushed with red on the outside of the petals. Delicately perfumed and an all-round splendid variety. **Each 60c.**

PADRE—An exquisite variety in a color that is distinct from any other. The color is a beautiful shade of coppery orange crimson. **Each 50c.**

PRESIDENT HOOVER—A remarkable rose, wonderfully free flowering, and glorious in its color arrangement which is a splendid combination of cerise-pink, flame, scarlet, and yellow—a combination that furnishes the most dazzling color effect imaginable. Beautifully pointed buds, large flowers, composed of broad, heavy petals and exquisitely fragrant. **Each 50c.**

RADIANCE—Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant. **Each 50c.**

RED RADIANCE—An even better rose in habit than its parent, Radiance, bearing big, globular flowers of deep rose-red. **Each 50c.**

ROSE MARIE—This is a grand Rose of the very highest merit. A rich red that has come to stay. Might best be described as a bright watermelon-red. **Each 50c.**

RED HOOVER—A lovely glowing red color being a sport from the President Hoover rose. Very vigorous, free flowering and delightfully fragrant. **Each 60c.**

SOUVENIR DE CLAUDIUS PERNET—Both bud and bloom are clear sunflower-yellow, unstained by any other color. **Each 60c.**

SUNBURST—A beautiful yellow suffused with orange at the center, buds and developed flowers of good form, sweet scented. **Each 60c.**

SISTER THERESE—Its long-pointed buds are chrome-yellow, heavily marked with carmine; the open flower is rich daffodil-yellow and holds its color well. Sweetbriar fragrance. The blooms come freely on splendid cutting stems. A splendid keeper and has very good foliage. **Each 85c.**

TALISMAN—The Rose of Many Gold Medals. A combination of shadings of gold, apricot, yellow and deep pink or old-rose. The outside of the petals is bright yellow, gold, and pink; as the flower develops and the petals unfold they become bright apricot, gold and deep rose-pink. **Each 50c.**

VILLE DE PARIS—An excellent deep yellow—a distinct sunflower color—and a decided improvement on Pernet. **Each 60c.**



PRES. HOOVER.

Tree Shaped Roses

Standard or tree shaped roses are very effective when properly placed in corners of the garden, or on either side of a walk, or when grown among or in front of bush roses.

We offer the following varieties:

TALISMAN—Shading of yellow, pink and scarlet.

HADLEY—Rich velvety red.

PRES. HOOVER—Pink, yellow and copper.

GOLDEN EMBLEM—Deep yellow with red.

MRS. SAM McGRADY—A beautiful combination of coppery orange and red shades.

CALEDONIA—Finest pure white.

ETOILE DE HOLLAND—Flower bright red, very fragrant.

All of the above tree roses \$3.00 each—F. O. B. Phoenix.

NOTE—All tree roses are shipped via Express Collect, the transportation charge being paid at point of delivery.

Climbing Roses

BELLE OF PORTUGAL—The flowers are very large, of a soft pearl pink in color and are produced on long stems. It is a free bloomer, particularly in the spring time. **Each 50c.**

CL. CECILE BRUNNER—One of the strongest growing roses and very free bloomer. Baby size flowers, a clear pink. **Each 50c.**

Add 10c per plant up to three plants and 5c each for four plants or more if desired by mail. This covers postage and extra care in packing. Order early.



LADY HILLINGDON



RED RADIANCE



KAISERIN AUGUSTA VICTORIA

DECIDUOUS FRUITS

Prices on fruit trees unless priced below: 1 tree, 60c; 10 trees of any one variety, \$5.00; express or parcel post is extra. We advise shipping by express. In ordering state whether or not we may substitute if necessary.

Deciduous Fruit Trees

If wanted in quantities please ask for prices, submitting list for quotation.

IMPORTANT—Quotations on plants, trees and shrubs are all free on board cars, packed for shipment. Phoenix, Arizona, and freight or express at purchaser's expense, where not otherwise quoted. No plants sent out C. O. D.

FRUIT TREES—Plant your trees and vines as soon after receiving them as possible. Do NOT allow the roots to dry out. Dig the hole large enough to take the roots without crowding them. Set the tree and fill in enough to hold the tree upright, then put on enough water to settle the soil about the roots; when it is soaked up, fill up the hole, make a basin about the tree and water every 10 days or two weeks. Prune the tree back to a single stem 20 to 36 inches.

When setting out balled trees do not remove the burlap, as to remove it may crack the ball dirt around the roots and injure them. Set the tree in the hole and fill in almost two-thirds of the soil, then cut the top string of the burlap and throw in the remainder of the soil. Make a shallow basin around the tree which fill with water to settle the earth around the roots. Use no fertilizer at time of planting, this may be applied after the tree gets established and is growing.

Apples

ARKANSAS BLACK — Medium to large; somewhat conical; the color is a beautiful dark maroon over a yellow ground; flesh firm, fine grained, juicy, and a long keeper.

ROME BEAUTY — A large excellent variety which thrives well in the higher altitudes of the foothill and mountain districts; is a very late bloomer and a regular bearer. The yellowish fruit is shaded and striped with red; of very fine appearance and good flavor.

DELICIOUS—A magnificent variety of fine appearance and delightful flavor; brilliant red; of large size, rather conical in form. Tree has good, strong habit of growth and excellent bearing qualities.

RED ASTRACHAN—Large deep crimson, flesh white, crisp, juicy, rather acid. Ripens July and August.

WHITE WINTER PEARMAN — Commercial winter variety. Pale yellow, with yellowish crisp flesh; juicy, with a fine sub-acid flavor. Ripens in November.

TRANSCENDANT CRAB — A large golden yellow with rich crimson tint. Ripens in September.



Delicious.

Pears

BARTLETT—The most widely cultivated pear. Large, buttery and melting, with rich flavor; tree a vigorous grower; bears abundantly. Bartlett has every quality needed for a perfect home and market pear.

KIEFFER—Extremely handsome in appearance and borne on a very vigorous and fruitful tree. Fruit roundish, yellow, heavily russeted, with coarse, crisp flesh. Valued highly as a canning pear.

WINTER BARTLETT—A small pear, suggesting Bartlett in shape, color and flavor, but ripening very late. The tree is very productive and the fruit keeps remarkably well.

WINTER NELLIS—The standard winter pear. Fruit small, unusually russeted, with a ruddy cheek; a delectable, rich, aromatic flavor. Tree is an irregular grower, but enormously productive, and the fruit will keep well in storage all winter.



Bartlett Pear.

Apricots

NEW CASTLE — Medium size, round, fine flavor, a good shipper. One of the best early varieties.

MOOR PARK—Large greenish yellow, shading to red on sunny side. Fruit is of highest quality. Excellent as a combination shade and fruit tree.

ROYAL — Medium size, skin dull yellow, slightly tinged with red. Excellent for canning and drying.

Olives

The following are the best varieties for picking. Possibly one of their most important features is their beauty as an ornamental tree; the longest lived tree we have, they will stand extremes of heat, cold, drought, and alkali. They also can be pruned into formal shapes and kept to dwarf size.

MISSION—The variety introduced into California by the Spanish Padres. Planted more than any other variety. Jet-black fruit, medium in size and very firm. The tree makes a solid dense shade, and is rather round in shape. Balled or established trees. ½ inch-¾ inch caliper. **\$2.00 Each.**

MANZANILLO—One of the best pickling varieties, slightly larger than Mission and ripening a little earlier, but being somewhat softer and should be handled carefully. The tree is more open and picturesque in appearance and is a good variety for landscape use. Balled trees. ½ inch-¾ inch caliper, **\$2.00 Each.**

Dates

There are so many varieties of good dates that we will not attempt to list them all, but just a few of the better home-use varieties. We have selected these with the following in mind: Easy pollination, early ripening, rain-resistant qualities, easy dehydration and processing, and good bearing varieties as well as good flavor. Heavy-well rooted offshoots **\$7.50 Each.** Bearing size Palms, **\$25.00 up.**

KHADRAWI—A light colored Date, very sweet and juicy and an early ripener. Best home-use Date.

KASTAWI—Slightly larger than Khadrawi and a much faster growing tree. These two varieties are the leading dates of commercial packing along with Deglet Noor which does not do too well in all parts of the Valley.

HYANY—A very fine flavored large dark colored date, probably one of the best of its class, being unusually sweet. Slightly bothered by rain and should be covered with hoods if fall rains come when it is ripening.

FRUIT TREES

Prices on fruit trees unless priced below: 1 tree 60c; 10 trees of any one variety, \$5.00, unless otherwise noted; express or parcel post is extra. We advise shipping by express.

Peaches

BABCOCK—Ripens early. Very firm and a splendid shipping peach. Freestone.

LATE CRAWFORD—Similar to Early Crawford but ripens later.

MAYFLOWER EARLY—A beautiful "red all over" peach, desirable for early marketing. Said to surpass all other early peaches in both quality and color; tree a healthy and vigorous grower; bearing heavily, it invariably requires thinning; its firmness makes it a good shipper; extremely early.

MILLER'S LATE—There are few peaches ripening after the Salway; hence a good peach ripening as late as October is a valuable acquisition. Miller's late is a fine yellow freestone of the Salway type, having better flavor and quality than the latter; a heavy bearer.

ELBERTA—Large yellow, with red cheeks. Unexcelled for table use. Ripens in August.

SALWAY—Equal to Elberta in size and flavor. One of the best for Arizona. Ripens in September.

J. H. HALE—The experiments of the past several years have demonstrated that this is a profitable variety for the Peach grower. It is a freestone of large size—Elberta type—highly colored; yellow flesh, red around the pit, which disappears in canning; bears well and commands high price. Ripens with Elberta, August.

Peach.

EARLY CRAWFORD—Has all the good qualities of the Late Crawford. Ripens in August and September.

ORANGE CLING—Large yellow, with dark crimson cheek. Flesh golden yellow. Ripens early in August.

Nectarines

STANWICK—One of the leading varieties; large size; flesh white, tender, juicy and of delicious flavor; skin greenish-white shaded with reddish-purple in the sun. A prime table variety for family use. August.

Persimmons

The Japanese Persimmon adds a touch to the home orchard that is out of the ordinary and the large, luscious fruits, ripening after the fall frosts have come, offer a fitting close to the fruit season.

HACHIYA—Long, conical, deep red, very large, almost seedless, delicious when soft. 3-4 ft., 85c; 4-6 ft., \$1.00.

Pomegranate

WONDERFUL—New variety. Large; highly colored; pulp richly colored, of good flavor; very fine. Ripens late. Each 35c.

Plums

SANTA ROSA—Possibly the most popular plum and certainly one of the handsomest. Large oval, purplish-crimson fruit, covered with light blue bloom. Flesh amber, veined with crimson. Another Burbank variety, highly valued for both shipping and home use.

SATSUMA—The well-known Japanese blood plum so prized for preserves. Large, almost round, deep red outside and in, firm, juicy, and of fine flavor. Must be planted with other varieties such as Wickson, Burbank or Climax to secure good crops.

WICKSON—A very large heart-shaped plum, deep yellow, overlaid with carmine and a white bloom. Flesh crisp, sweet, amber colored.

APEX PLUMCOT—This fruit, as its name indicates, is a cross between the Apricot and the Plum, resulting in a satisfactory combination of the two fruits. The large, globular fruit, which comes into bearing with the earliest plums, is beautiful in color; rich, firm and aromatic.

KELSEY—Very large, heart-shaped; skin greenish-yellow, overspread with light red and covered with bloom; flesh yellow, meaty and firm; of pleasant flavor; prolific.

BURBANK—A fairly early plum, always producing heavy crops. Fruit medium to large, almost round; light red mottled with yellow and covered with lilac bloom. Flesh deep yellow, and very juicy.

Prunes

SUGAR PRUNE—Fruit very large; skin tender, dark purple, covered with white bloom; flesh yellow, tender and sugary.

TRAGEDY—A desirable early variety; large; handsome; skin dark purple; flesh greenish-yellow; sweet and rich. Excellent for eating out of hand.

Cherries

There are few finer fruits than the Cherry and when the right varieties are planted in the right place they invariably bear fine crops. The sub-acid varieties, Morello and Richmond, cover a wider range of territory and will bear almost anywhere, whereas the sweet cherries will not bear in the lower altitudes of Arizona.

ROYAL ANN (Napoleon Bigarreau.)—A magnificent cherry of the largest size; pale yellow with bright red cheek; flesh firm and sweet; tree an enormous bearer. The leading canning cherry. Late June.

RICHMOND—An old favorite; an early, red, sub-acid cherry; tree a fine grower, hardy, healthy and productive. Early June.

Quince

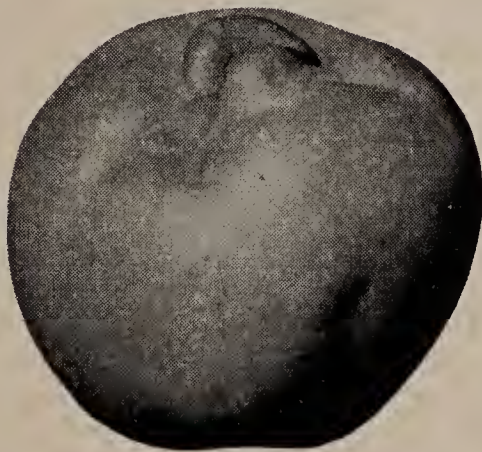
ORANGE—Large, roundish with short neck; greenish yellow color. The best known of the older varieties.

PINEAPPLE—The name is suggested by the flavor. The fruit resembles the Orange Quince, but is smoother. Of excellent quality.

Figs

MISSION—A well-known black fig. Tree is a very strong grower and good fruiter. Leading black variety for shipping and drying. 50c to \$1.00 Each.

WHITE KADOTA—Skin greenish yellow, pulp red. 50c to \$1.00 Each.



Quince.



Burbank Plum.

FRUIT TREES

Prices on fruit trees unless priced below: 1 tree, 60c; 10 trees of any one variety, \$5.00; express or parcel post is extra. We advise shipping by express.

Pecans

Pecans are a comparatively new crop for the Southwest but with the right location, good, deep soil and plenty of water, there is no reason why excellent results cannot be obtained with Pecans in the interior valleys.

Of the following varieties, only Halbert and Success are self-fertile and will bear alone without cross-pollination. In commercial plantings several varieties should be included to insure cross-pollination.

Paper Shell Pecans

(\$1.50 to \$2.00 Each.)

BURKETT—Probably the most valuable pecan for California and Arizona, and the trees that have come into bearing in this section have borne very heavy crops. The nut is large, almost round, thin shelled, the whole meat coming out very readily. Makes a beautiful shade tree.

SUCCESS—This has been the most widely planted of all pecans in California and the finest and oldest bearing trees are of this variety. Large and oblong with medium thick shell; quality good.

Almonds

Two or more varieties of Almonds must be planted together, in the right combination, to secure successful pollination.

NE PLUS ULTRA — A widely planted and popular almond, chiefly valuable because of its very attractive outside appearance and its generally large size. The tree is a vigorous grower and bears large regular crops, and the nuts are large and long with a soft, corky shell.

TEXAS PROLIFIC—Bears very heavy crops of medium sized, plump, soft-shelled nuts. Bears young.

GRAPES

20c Each; \$2.00 Per Doz.; Postage or Express Extra.

BLACK MONUKKA — A seedless black Persian grape much resembling Thompson Seedless, except that the berries average one-third larger and are purplish black when mature. Very large, loose bunches borne in great profusion. A wonderful early eating grape. Prune long.

CORNICHON—Bunches long and loose, berries oval; skin thick, covered with bloom; firm, good quality; one of the best late shipping grapes.

EMPEROR T.—Bunches large, long and rather loose; berry large, oblong, wine colored, very firm; a very late variety and one of the standard shipping grapes.

ZINFANDEL — Bunches large and compact. Planted extensively in Arizona as a juice grape.

MUSCAT—The white raisin grape planted so extensively in California, and one of the richest flavored of all grapes. Large, loose bunches of oval berries.

THOMPSON SEEDLESS—The best known seedless grape, widely planted for raisins and market and a fine home fruit as well. Very large bunches of rather small, greenish-yellow berries, sweet and mild. Canes should be pruned long.



Grapes.

Grapevines are easily grown, and take up little room. They are ideal for covering arbors and fences, and their luscious fruit provides so much pleasure for the family that every home should have a few vines.

DATTIER DE BEYROUT—A very large, sweet grape with very few small seeds. One of the very finest table grapes, and so delicious that they have to be sacked to keep the June bugs away from them.

BLACK MUSCAT — The richest flavor of all grapes and a good producer. Berries round and exceedingly sweet.

ROSE OF PERU—An excellent variety for the home orchard. Berry round, reddish black and attractive; sweet and of good quality; a very fast growing variety suitable for arbors.

MISSION—Strong grower, heavy bunches, medium sized, acid, blue grape. Fine for jelly or wine. Good arbor variety.

RIBIER—Extremely large, round berries, meaty and sweet, and of good flavor.

ALMERIA—Very late white variety and good keeper. This variety is keepable until the Christmas market.

BERRIES

The Boysen Berry

This new berry is a fitting companion for the Youngberry. It is almost twice as large as the Youngberry and about ten days later, extending the season for this type of berry. In appearance, other than size, they are very much alike and if possible the flavor is even more delicious than the Youngberry. Set the plants 5 or 6 feet apart in rows 8 feet apart for commercial use. In the home garden they may be set closer together in the rows. Each, 35c; 3 for \$1.00; 12 for \$2.50; per 100, \$20.00; postpaid.

Blackberries

CRANDALL'S EARLY—A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. Each, 15c; dozen, \$1.50; postpaid.

Youngberry

This well-known berry is a cross between the Loganberry and the Dewberry. It has the pleasant flavor of the red raspberry, the juiciness of the loganberry and the jelling and canning qualities of the blackberry. Doz., \$1.50; postpaid.

Strawberries

IMPROVED KLONDIKE—This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. 25c per doz.; \$1.50 per 100 plants; postpaid.



Klondike Strawberries.

WRITE FOR QUANTITY PRICES.

PROMPT SPECIAL QUOTATIONS



Deciduous Shade Trees

Deciduous Shade Trees

Prices of all trees on this page F. O. B. Phoenix.

5 to 6 feet, Straight (Whips)	\$.75
5 to 6 feet, Branched	1.00
6 to 7 feet, Nicely Branched.....	1.50
6 to 7 feet, Well Branched	2.00
7 to 10 feet, Well Branched—Extra Good.....	3.00

All well balanced trees, and sure to please you. Write for quantity prices.

LOCUST, BLACK—This is a quick growing, hardy tree, which blooms freely during the spring months. Very suitable for this section of the country.

POPLAR, CAROLINA—An upright growing tree with pyramidal head; very large, glossy, deep green leaves. A rapid grower and a very popular variety for street planting.

TEXAS UMBRELLA—A splendid shade tree and one of the most useful for planting where dense shade is desired. Umbrella shaped, of dense growth and uniform habit, bearing numerous small lilac-colored flowers during the summer.

KINGAN—(Fruitless Mulberry). A good strong growing dense shade tree, but without fruit, thus avoiding the staining of walks under the tree. Extremely rapid in growth and one of the best shade or street trees for Arizona and other dry arid climates. Budded trees. 8 to 10 ft., \$1.50; 10 to 12 ft., \$2.50.

MULBERRY, RUSSIAN—This is the best Mulberry for shade. Has large leaves, a spreading head, is very hardy and quick growing. Very drought resistant. Each, \$1.25.

U. PUMILA — “Chinese Elm.” 40 ft. A fast growing tree which does well anywhere in the dry interior section, adapting itself to extremes of heat, cold, drought and alkali.

ARIZONA ASH — Handsome, clean trunked tree with light green foliage. Will do well on most any soil, undoubtedly one of the best deciduous trees.

Evergreen Trees

Casuarina Stricta

A Rapid Growing Tree Requiring Little Water.

ACACIA VERTICILLATA—12 ft. A bushy, low-growing variety with narrow needle-like leaves, excellent for hedge and massing. Flowers brilliant golden yellow. 4 to 5 ft., 75c.

PINUS HALEPENSIS—“Aleppo Pine.” 50 ft. A rapid growing pine suitable for quick effects and excellent for covering hillsides. Has dark green foliage and is very handsome when young but gets straggly when mature. Potted, gallon containers, 3 to 4 ft., 75c each.

ITALIAN CYPRESS—A tall, slender tree with erect branches, having a pillar or columnar effect. A useful subject for gateways, arches, tall borders, etc. Our trees are the true narrow type, grown from cuttings. 4 ft., \$1.00; 7 to 8 ft., \$3.00

CYPRESS, ARIZONA — Splendid native ornamental tree of pyramidal habit. Never damaged by frost. Foliage bluish green. Gallon size, 75c; 5 gal. size, \$2.50.

PEPPER TREE—One of the most attractive trees we have. It often grows to a height of 50 feet. The drooping, feathery foliage makes it one of the most beautiful of ornamental shade trees. 1 gallon, 75c; 5 gallons, \$2.50.

EUCALYPTUS, RUDIS (Desert Gum)—This is the most used variety and very valuable for arid regions; in fact, it is unsurpassed by any other variety for withstanding heat, cold or wind. Attains a height of 100 feet. 1 gallon, 50c; 5 gallons, \$2.00.

EUCALYPTUS, ROSTRATA — A rapid grower that endures much heat, severe frost and considerable drought. Widely planted as a forest cover, windbreak and shade tree, 1 gallon, 50c; 5 gallons, \$2.00.

STERCULIA DIVERSIFOLIA (Bottle Tree) — Makes a fine street tree, being pyramidal in growth with glossy green leaves which are of diverse form. 1 gallon, 75c; 5 gallons, \$2.50.

ST. JOHN'S BREAD OR CAROB—Admirably adapted as a tree for ornamental street planting, or as single specimens. Beautiful trees may be seen in many places in Southern California and its symmetrical shape and dense, glossy, evergreen foliage, the same throughout the year, are fast making the Carob one of the most desired street trees. It is long lived, deep rooted, does not become too large or straggly, and is a most satisfactory, permanent tree. 1 gallon, 75c; 5 gallons, \$2.50.

PALMS

F. O. B. PHOENIX



WASHINGTONIA ROBUSTA—80 ft. One of the most beautiful of palms, very much resembling the preceding but with a more slender trunk and somewhat smaller leaves, which have no filaments upon them. Very fast growing and excellent for avenue planting. 5 gallon containers, 3 to 4 ft., \$3.00.

WASHINGTONIA FILIFERA (California Fan Palm)—Very hardy-growing Fan Palm. One of the best for this immediate vicinity on account of its ability to withstand much frost. Grows very rapidly and at the edge of its leaves are produced many thread-like filaments. \$100 to \$3.00.

PHOENIX CANARIENSIS (Canary Island Palm)—This is easily the best Palm for general planting. Very appropriate as an ornament for the porch or other decoration, being a slow grower in pots or tubs. When given room in the ground it grows rapidly and forms a magnificent, spreading Palm, very distinctive and dignified in appearance. It is very hardy and will withstand the conditions of this section very successfully. \$1.00 to \$3.00.

Cycas

CYCAS REVOLUTA—Java. "Sago Palm." An excellent plant for either scenic planting or porch decoration. The round stem or bulb is crowned with dark green feathery leaves, shaped like ostrich plumes. Quite hardy and slow growing. 2 gal. cans, \$2.00; 5 gal. cans, \$4.00.

GRASSES

PAMPUS GRASS, WHITE—Argentina. 10 ft. A very ornamental plant bearing large silvery white plumes; valuable for certain locations on lawn or among other shrubbery. Clumps, \$1.00 to \$3.00, Each.

FOUNTAIN GRASS (Dwarf Pampas)—Valuable for rock gardens and pools. Grows 2 to 3 ft. Plumes of reddish tint. One gallon size, 50c; large clumps, \$2.50 Each.

AREN'T HER FLOWERS AND LAWN BEAUTIFUL ?



PRICES!

100-lb. bag	... \$4.50
50-lb. bag	... 2.75
25-lb. bag	... 1.60
10-lb. pkg.	... .85
5-lb. pkg.	... .50
1-lb. pkg.	... .10
F. O. B. Phoenix	



Really, it's not expensive at all to make your garden look like a million! Just a few pounds of inexpensive VIGORO will do it.

VIGORO is the plant food made by Swift that contains all of the elements plants require from the soil. It's proper nourishment that gives Vigoro-fed plants their great vitality and beauty.

Use Vigoro this year! It costs little and goes far—four pounds properly feeds 100 square feet of lawn or garden area. We recommend clean, odorless

VIGORO

The **SQUARE MEAL** that assures rich
BEAUTY in Lawns and Flowers

A Product of Swift

SHRUBS

F. O. B. PHOENIX



Lantana.

EUONYMUS JAPONICA — A useful ornamental with green glossy foliage, standing heat and cold, and easy to grow. Can be used as a spreading plant in a group planting or against the house. When trimmed it makes a wonderful compact plant for tubs. Also used for hedges. Particularly fine for Arizona. In gallon containers. **Each, 65c; 5 gallons, \$2.00.**

CASSIA ARTEMESOIDES—Australia. 8 ft. Finely cut silvery-gray foliage and clear yellow, sweet scented flowers; stands any amount of drouth, and thrives particularly well in Arizona and other desert sections. **Gallon, 75c; 5 gallons, \$2.50.**

LANTANA—Orange, scarlet yellow and pink and white. **Each, 60c to \$1.00.**

OLEANDER—This is a well known and popular flowering shrub which does well in our climate. We have the best varieties, both double and single in red, white and pink. **1 gallon, 50c; 5 gallons, \$2.00.**

PITTOSPORUM—A medium sized evergreen shrub. It is a wide spreading, dense, round headed shrub with deep, glossy, green foliage, and is excellent for planting in a mixed border, for massing against the house or wall, and also will make a fine large hedge. In the winter it is covered with small fragrant white flowers resembling orange blossoms. Gallon containers. **Each, 75c; 5 gallons, \$2.00.**

PRIVET, JAPANESE—A large shrub or small tree with leathery dark green glossy leaves and white flowers; the best tall hedge plant, making a fast heavy substantial growth. Very hardy and drouth resistant. In gallon containers. **Each, 65c, Large Balled Plants, \$2.00; in flats, \$6.00 per 100.**

ALTHEA (Rose of Sharon)—These are the most beautiful shrubs we have to offer. They bear flowers in great profusion and bloom freely from June to frost, when scarcely any other shrub is in bloom. **Bare Root, 75c Each.**

BOTTLE BRUSH—The beauty of these plants lies in their long red anthers, which, projecting along the stem, form a cylindrical flower similar in shape to a bottle brush. Hardy and rapid growth, thriving even in alkali soil. **Gallon containers, 3 to 4 feet, Each 75c.**

BERCKMAN'S DWARF EVER-GOLDEN ARBOR-VITAE—6 ft. Of dwarf habit, compact and symmetrical, almost globular as it gets older. All the branchlets are tipped with a bright golden tint, which is held all through the year. Can be used as a porch plant in tubs for a limited time and then planted out. Make excellent lawn specimens. This is possibly the most popular variety in our entire list of conifers. **2 to 3 ft., Balled, \$1.50; 5 to 6 ft., Balled, \$3.00.**

BUDDLEIA—"Summer Lilac." A fast growing, spreading shrub; remarkable for the long panicles of fragrant rose-purple flowers borne in great profusion in the late summer. In gallon containers. **Each, 65c.**

COTONEASTER—The foliage is a soft gray-green and the under sides of the leaves have a silvery color. White flowers in spring followed by great masses of dull silvery red berries, which remain all fall and winter. Fast growing and of graceful loose habit. In gallon containers. **Each, 65c; 5 gallon, \$2.50.**

DWARF EVERGREEN POMEGRANATE—India. 3 ft. A miniature evergreen Pomegranate with fresh green foliage, many bright scarlet flowers, and small crimson fruits. Gallon containers. **Each, 75c.**

PYRACANTHA—An evergreen shrub of spreading habit; foliage a rich dark glossy green; clusters of white flowers in the spring are followed by a wealth of orange colored berries, which remain on the plant all winter. Gallon containers. **Each, 75c; 5 gallons, \$2.50.**

ROMAN MYRTLE—Valuable for either single specimens or small hedge. The foliage is a shining green and highly aromatic. Bears numerous small white flowers, followed by black berries. Easily kept pruned down to 3 ft. Succeeds well in hot dry situations. Gallon containers. **Each, 65c; 5 gallons, \$2.50; in flats, \$10.00 per 100.**

SPANISH BROOM—A strong, fast growing shrub with many slender, bright green branches almost devoid of leaves. Bears almost continuously, large, pea-like bright yellow flowers very sweetly scented. Hardy, heat loving and drouth resistant. Gallon containers. **Each, 65c.**

PRIVET, CALIFORNIA—Best of all hedge plants, with shining green foliage. Does well in our climate and deserves to be planted extensively wherever a hedge is desired. Gallon cans. **Each, 50c.**

LAGERSTROEMIA INDICA ROSEA—"Pink Crape Myrtle." 15 to 20 ft. One of the best summer flowering shrubs or small trees, being a mass of bloom during July, August and September. The flowers are crinkled resembling crape. This variety is a pastel shade of pink, with a touch of lavender. Potted, in gallon container. 3 to 4. ft. **Each, 75c.**

SPIRAEA VAN HOUTEI (Bridal Wreath)—Charming garden shrub of moderate size. White flowers are borne in great profusion in the Spring. Gallon container. **Each, 75c.**

Vines and Trailers

BIGNONIA TWEEDIANA—A yellow trumpet vine with many long slender shoots, clinging to any surface and making a dense mat of foliage. Excellent for Arizona. Gallon containers. **Each, 75c.**

ENGLISH IVY—Too well known to need description; nothing is better for a permanent covering of green. Gallon containers. **Each, 75c.**

FICUS REPENS—"Creeping Fig." The best evergreen vine for covering stone, brick or wood, making a close mat of foliage which clings to any surface. Small heart-shaped leaves. Very hardy, thriving anywhere. In gallon containers. **Each, 75c.**

YELLOW JASMINE—Green year around, fragrant blossoms in spring. Gallon containers. **Each, 65c.**

Cydonia—Flowering Quince

CYDONIA JAPONICA ROSEA—"Red Flowering Quince." A very showy plant early in the spring when covered with its bright, semi-double, rosy red flowers, which appear just as the leaves begin to show. Has attractive glossy foliage the rest of the summer. Gallon container. **\$1.00 each.**

Flowering Peaches

For an easily and quickly obtained mass of spring color, there is nothing to excel the Flowering Peaches. They will grow with the greatest ease anywhere and never fail to produce a great profusion of bloom.

Prices on all varieties below: **4 to 6 ft., \$1.00.**

EARLY ROSE PINK—The earliest of all and the most popular of all the Flowering Peaches because of its earliness and profusion of bloom.

EARLY RED—A marvelous clear ruby-red, extremely showy.

VARIEGATED—White, striped with carmine, occasionally showing solid red.

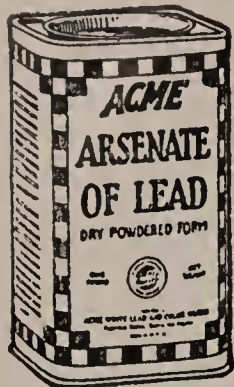
RED—The same rich ruby-red as the earlier one but blooming three weeks later.

SALMON PINK—For delicacy of coloring and graceful arrangement of the flowers, this lovely kind ranks first. The flowers do not all open at once so that buds and open blooms are always present and the enormous flowers are a light salmon pink.



Flowering Quince or Japonica.

Insecticides and Spray Materials



Dry Lime Sulphur

For dormant spray use 12 to 15 lbs. to each 50 gallons of water. For Summer spray, 3 to 4 lbs. to each 50 gallons of water. **Lb., 35c; 5 lbs., \$1.40.**

Bordeaux Mixture

(Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One pound will make 5 gallons liquid. **Lb., 35c; 4 lbs., 80c.**

Sodium Fluosilicate

Used very successfully in combating Mexican bean beetles, striped cucumber beetles, house ants, roaches and other insects. For information on insect pests, see guide. **1 lb., 30c; 5 lbs., \$1.25; F. O. B. Phoenix.**



Fish Oil Soap

An excellent and inexpensive means of killing plant lice and scale insects. Makes a good wash for trees and plants. **Lb., 25c; 10 lbs., \$2.00. In large quantities we quote very low prices. Can be mailed Postage extra.**

White Arsenic

Used primarily for making poison mash bait for grasshopper infestations. **Price: Lb., 15c; 5 lbs., 60c; F. O. B. Phoenix.**

Flowers of Sulphur

Used principally to control and prevent mildew on grapes, roses, melons, vines, etc. **Lb., 10c; 10 lbs., 85c; 50 lbs., \$1.25; 100 lbs., \$5.25; F. O. B. Phoenix.**

Arsenate of Lead

We unhesitatingly recommend Arsenate of Lead as being the best means of ridding trees and plants of all leaf-eating insects, such as codling moth, potato beetle, cabbage worms, etc. **Lb., 35c; 4 lb. pkg., 75c.**

Paris Green

For grasshoppers, cut worms and tomato worms, $\frac{1}{4}$ lb. pkg., 25c; 1 lb., 60c; 5 lbs., \$2.25. Write for quantity prices.

Nicotine Dust No. 10

10% Black Leaf 40. 1 lb. pkg., 50c; 5 lb. pkg., \$1.50; 25 lb. steel drum, \$4.50; 50 lb. steel drum, \$8.50; 100 lb. steel drum, \$16.00.

"Black Leaf 40"

Is guaranteed to contain 40% of nicotine by weight. It is a safe and effective spray for Aphids (Plant Lice), Thrips, Leaf Hoppers, Apple Red Bug, Pear Psylla and similar insect pests in the orchard, truck garden, vineyard, flower garden and park.

Full directions on the package. 1-oz. bottle, 35c; 5-oz., \$1.00; 1 lb. bottle, \$2.25; 2-lb. tin, \$3.25; 5-lb. tin, \$5.85; 10 lbs., \$10.60. Sent by express or freight only. Cannot be mailed. Prices change without notice.



Snarol

A prepared meal to broadcast on the ground for the control of snails, cut-worms, etc. Will not deteriorate from rain and is non-injurious to vegetation. **1½ lbs., 25c; 4 lbs., 60c; 15 lbs., \$1.95; 50 lbs., \$5.50.**

Dustruxol

A contact and fumigating spray for Aphis, Thrips, Mealy Bug, etc., does not injure flowers or foliage. One ounce makes 3 to 5 gallons of spray. **Prices: 1 oz., 40c; 2 oz., 75c; ½ pt., \$1.50.**

Gopher Firecrackers

Very effective against Gophers and Ground Squirrels. Light the fuse and put down in the hole. It throws off a poisonous gas. **Small size: Each 5c; per doz., 50c; Large size: Each, 10c; per doz., \$1.00.**

Gopherscent

Poisoned raisins and grain. A particularly effective poisoned food for gophers. **8 oz. pkg., 35c; 12 oz. pkg., 50c. POISON BARLEY—For gophers, etc. 1 lb., 20c; 5 lbs., 75c; 25 lbs., \$3.00.**

Super Adhesive Dust Mixture

Special dust for Lettuce, Peas, Tomatoes, etc. For control of many chewing insects, including Lettuce Loopers, Alfalfa Loopers, Pea Worms, Tomato Fruit Worms and Corn Ear Worms.

50-lb. bags, \$3.50; 100-lb. lots, \$6.75; Prices are F. O. B. Phoenix, Arizona.

Garden Volck

Contains nicotine and soap. A complete spray for home gardener, controlling mealy bugs, scale, aphids, thrip, red spider. **3½ oz., 40c; pint, \$1.00; quart, \$1.50; gallon, \$3.00.**

Nursery Volck

One of the most powerful insecticides known. Effective on practically all insects on ornamental and flowering plants—Red Spider, Aphis, Scale, Mealy Bug, etc. Volck is odorless, colorless and non-poisonous. Generally used 3 level tablespoonfuls to 1 gallon of water. **1 pt., 55c; 1 qt., 80c; 1 gal., \$2.00.**

Red Arrow

Kill Chewing and Sucking Insects Safely—the perfected Garden Spray which combines Pyrethrum, Derris and Soap in convenient form. Mixed with water and spray. Could anything be simpler? **Prices: 1 oz., 35c; ¼ pt., \$1.00; pt. \$2.50; qt., \$4.00; gal., \$12.00.**

ALL OF THE ABOVE F. O. B. PHOENIX.

for Dependable Field, Flower and Garden Seeds

Insecticides and Spray Materials



Mildew-Foil

Activated Mildew Spray, for use on roses and certain other plants. Mildew, Black Spot, Peach Leaf Curl and certain other Fungi.

4oz. Bottle, 35c; 8-oz. bottle, 65c; F. O. B. Phoenix, Arizona.



Bug-Foil

Super Strength Garden Spray, kills Aphids, Caterpillars, Thrips, Leaf Hoppers, Leaf Rollers, Rose Slugs, Pear Slugs and certain other insects, both chewing and sucking varieties.

1 1/2-oz. tube, 35c; 4-oz. bottle, 85c; 8-oz. bottle, \$1.25; F. O. B. Phoenix, Arizona.



Ant-Foil

4 oz., 15c; 8 oz., 25c; F. O. B. Phoenix.

Nico-Foil

Prepared Nicotine Spray, easy to use, contains a soap spreader. For many species of Aphids, Leaf Roller and Thrips.

1 1/2-oz. Bottle, 20c; 4-oz. bottle, 35c; 8-oz. bottle, 65c; F. O. B. Phoenix, Arizona.

Liefgreen's Ant Poison

Applied in powder form—very effective. 1 lb., 25c; 5 lbs., \$1.00.

Antrol

Kills sweet loving, or grease loving ants IN THE NEST, at the source. It is safe to use around children or pets because there is no exposed poison. It is poured into a patented water, dirt and rust-proof glass container which keeps the syrup at the highest efficiency. It is easy to use—adapted to any size home or garden, and absolutely guaranteed to do the job, providing it is used according to directions and for the extermination of the small sweet and grease loving ants.



NOTE THESE LOW PRICES

Antrol Set, with four containers and 4 oz. bottle of syrup	\$.75
Antrol Cottage Set, with nine containers and 1/2 pt. bottle of syrup	1.35
Antrol Containers, only	.10
Antrol Syrup, 4-oz. bottles	.35
Antrol Syrup, pints	.85
Antrol Syrup, quarts	1.25

Prices are F. O. B. Phoenix.

\$1,000.00

Guaranteed
Reg. U. S. Pat. Off.

Moth Killer

Kills Moths and their eggs. We recommend spraying at regular intervals.

Pint, F. O. B. Phoenix 75c



\$1000.00 Guaranteed

Reg. U. S. Pat. Off.

Rat and Mouse Killer

Dirty, destructive rats and mice are killed when they eat \$1000.00 Guaranteed Rat and Mouse Killer.

4 ounces, F. O. B. Phoenix 35c



\$1000.00 Guaranteed
Killer

Absolutely Guaranteed to kill Roaches and Water Bugs when properly applied.

3 oz., 35c; 7 oz., 65c; 16 oz., \$1.25; F. O. B. Phoenix, Arizona.



TAT ANT TRAPS—Destroys both sweet and grease eating ants. Safe to use around children and household pets. Each, 25c; postpaid,

30c

Fluocide Dust

Non-arsenical Dust for Worms, Beetles. No. 33—Can be used on crops in place of arsenic with no resulting residues if not applied too close to harvest time. Kills alfalfa looper, cabbage worm, corn ear worm, tomato worm, caterpillars. 1 lb., 30c; 5 lbs., 75c; 50 lbs., \$4.75; 100 lbs., \$9.00; F. O. B. Phoenix.

CYANO GAS

IN DUST AND
GRANULAR FORM

1-lb. pkg.	\$.75
5-lb. can	2.50
25-lb. drum	8.50
100-lb. drum	21.00

F. O. B. Phoenix.



For Beautiful Lawns Use Liefgreen 8-9-6 Commercial Fertilizer

For Vegetables, Flowers, Lawn, Shrubs and Trees. Is a scientifically prepared chemical compound carrying the necessary elements for the promotion of plant growth.

It not only enhances the beauty of the blossom and the color of the lawn, but it is a wonderful stimulant to vegetable life and, in addition to its many uses in the garden, it can be applied with wonderful results in the field for vegetables and other crops.

This fertilizer is easy to apply and it is in powder form and quickly available. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

Fish Fertilizer

This fertilizer is composed of dried fish, finely ground, and is purely organic. An excellent fertilizer for all crops. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

Dried Blood Meal

Very rich in nitrogen and an excellent plant-food for increasing the yield of vegetables and fruit, and also for stimulating the growth of flowers. There is from 12 to 13% nitrogen. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.75.

Bone Meal

3½% nitrogen and 16% phosphoric acid. Neither of these two elements are immediate in their action. If put in the soil in the Fall, some results will show the following Spring. Slow but sure. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

Hydrate of Lime

For sour soil conditions. 10 lbs., 30c; 25 lbs., 50c; 50 lbs., 85c.

Treble Super-Phosphate

About 45% phosphoric acid. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.10; 100 lbs., \$3.75.

Sulphate of Potash

5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$2.50; 100 lbs., \$4.50.

Ammonium Sulphate

Contains about 20% Nitrogen. For garden use rake the soil, one pound to every 150 square feet. One pound is sufficient for any 1-year-old tree or 1½ pounds for a 2-year-old tree. For field crops, apply 200 lbs. per acre. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

Gypsum

Gypsum brings about a chemical change in the soil by making it more pervious to water and air. Very heavy color soils are much improved with an application of Gypsum, which loosens it and this condition tends to prevent packing and baking. Gypsum is also used in the treatment of soil containing black alkali. 10 lbs., 25c; 25 lbs., 50c; 50 lbs., 75c; 100 lbs., \$1.25.

Nitrate of Soda

Contains about 15% nitrogen. Is very quick in action and entirely soluble. Is best applied after the plants are growing. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

Peat Moss

Peat Moss is a valuable soil improver for all horticultural and agricultural purposes. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Per bale (about 150 lbs.) \$4.00 F. O. B. Phoenix.

Copperas

(Sulphate of Iron)

Copperas is used to put color in the foliage and blossom of the plant. It also aids them in blooming. If your shrubs or other plants have a pale, sickly green color they need Copperas. Lb., 10c; 100 lbs., \$7.50; F. O. B. Phoenix.

All Fertilizers and soil correctives are priced f. o. b. Phoenix. As prices fluctuate, they are subject to change without notice. Write for quantity prices.

Tools For Yard and Garden

Planet Jr. Garden Tools



We can supply any of the tools on subjoined list from stock here. Should there be any other tool wanted made by the Planet Jr. people, not listed here, we can have it shipped direct from the factory, making a deduction to help pay the freight. We gladly mail a Planet Jr. catalog to whoever applies for one.

- No. 300A Drill Seeder**—Plants in a continuous drill. Weight packed, 55 lbs. Price.....\$19.75
- No. 3 Hill and Drill Seeder**—(Seeder only. Price.....\$17.50
- No. 4 Hill and Drill Seeder and Single Wheel Hoe and Cultivator**—Weight packed, 50 lbs. Price.....\$17.75
- No. 4D Hill and Drill Seeder**—Plain (as a seeder only). weight packed, 40 lbs. Price.....\$14.25
- No. 25 Hill and Drill Seeder with Double Wheel Hoe, Cultivator and Plow.** Weight packed, 61 lbs. Price.....\$21.00
- No. 11 Double Wheel Hoe, Cultivator, Rake and Plow** — Weight packed, 39 lbs. Price.....\$13.65
- No. 16 Single Wheel Hoe, Cultivator, Rake and Plow**—Weight packed, 26 lbs. Price.....\$9.00
- No. 19 Farmers' Single Wheel Hoe, Plow and Cultivator** — Weight packed, 21 lbs. Price.....\$5.00
- No. 119 Single Wheel Hoe, Plow and Cultivator** — Weight packed, 18 lbs. Price.....\$4.00

WRITE FOR PLANET JR. CATALOG.
PRICES F. O. B. PHOENIX.

Grass Shears

A very efficient proven type of grass shear much superior to the old sheep shear type. Nothing to wear out; easily sharpened and clean easy cutters. Malleable iron handles, hollow ground cutlery steel blades, beautifully finished. The easy adjustment stays just right, and the shear will give years of good service. Blades 6 inches long. **Ring Clasp; Postpaid.....75c**



Pruning Shears

Part for Roll Cut or Snap cut Pruning Shears.

Blades, each	\$.75
Clip, each .....	.05
Spring and Rivet.....	.10
Blade Bolt and Screw.....	.15
Saddle and Screw.....	.20



Everyone must have a good pruning shear, even though you only have one or two shrubs. One of the two offerings below will fit your needs.

CALIFORNIA PATTERN—A low priced shear for light pruning, which will give very good results. Large cast iron handles with hardened polished blade, well made and a good value. **Postpaid75c**

ROL CUT PRUNER—It out cuts all other pruners on the market. The thin keen blades cut on to the soft metal anvil with a powerful drawing or sliding action that cuts a 3/4-inch branch with surprising ease. Makes a perfectly clean cut on large or small branches. The small size light weight handles fit the hand of either man or woman and make pruning easy. Handles cannot pinch the hands, they are rust-proof chrome finish. All steel construction—cannot break or bend. Blade is easily honed and will stay sharp. The soft anvil does not dull it. 7 3/4 inches long. **Postpaid\$1.75**



Nursery and Farm Requisites

Raffia

We have natural Raffia by the pound or by the ton. Great quantities of it are used by Phoenix gardeners and citrus growers. We are headquarters. **Best grade, lb., 40c; 10 lbs., \$3.50. For larger quantities write for prices.**

Binder Twine

For Balling Citrus trees. The tarred quality in the twine will eliminate retying in the Spring when the trees are moved from the Nursery to the grove. **Price—Tarred: 5-pound balls, 85c each; Plain: 75c each.**

All of the above prices F. O. B. Phoenix. Prices subject to change without notice.

We carry at all times a complete line of Sprayers and Dusters. Write for prices.

Tree

Tanglefoot

(Paste). This is a sticky substance applied to the bark of trees to protect them from all climbing insects and also rabbits. It will prevent ants from entering the trees. One application is good for three or four months. **Lb can, 60c; 5 lbs., \$2.75; 10 lbs., \$5.25. Postage extra.**



Spagnum Moss

For packing. **Per bale \$2.25, F. O. B. Phoenix. Write for prices in quantities.**

Green Moss

For lining hanging baskets. **Per lb. 25c, postpaid. Write for prices of bale lots.**

Yucca Tree Protectors

For Protecting Citrus Trees.	Weight per 1000	Price per 100	Price per 1000
12 in.	75	\$1.50	\$12.00
18 in.	125	1.75	15.00
24 in.	150	2.00	18.00

F. O. B. Phoenix. Postage Extra.

Grafting Wax

F. O. B. Phoenix.....1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 75c

Pruning Compound

TREE SEAL.

For covering fresh cuts or bruises on trees and is particularly valuable for citrus planting. Will aid nature in healing wounds without retarding the growth of the tree. **1 pint, 40c; 1 quart, 60c; 1 gallon can, \$1.75. F. O. B. Phoenix. May be sent by mail. Postage extra.**

Macabee Gopher Trap

This is the most convenient gopher trap yet manufactured. It is easy to set, small and can be extended far down into the hole. **Price, 25c; dozen, \$2.50.**

Ex Pan Planting Pots

Made of tar paper for growing early vegetable plants for transplanting to the field. **2x2x4, per 100, 75c; per 1,000, \$4.75. 3x3x4, per 100, \$1.00; per 1,000, \$6.50. F. O. B. Phoenix.**

Nursery and Farm Requisites

CONTINUED

Tree Labels

Copper Wired	100	1000
3 1/2 inch	\$.35	\$2.75

Pot Labels

Plain	100	1000
4 in.	\$.35	\$2.50
6 in.	.40	3.25

Budding Cloth

Per square yard, prepaid.....75c

Tree Pruners

Rhodes pattern—Blades hand forged from high grade tool steel, tempered and polished, polished hardwood handle, 4-inch polished steel ferrule riveted to handle and shank, the special feature of this pruner is that both blades have a cutting edge thus preventing any injury to the bark, and leaves a clean smooth cut.

Full length, 26 inches; length of handles, 19 inches; shipping weight, each, 4 lbs.; Rhodes, pair, F. O. B. Phoenix, Ariz. \$4.50

Franco Tree Pruner

Hand made, keeps an edge, made of Alloy Steel. Hollow ground blade reduces the labor and the lightness of the sheer permits one to do a third more work with less effort—does not tire the user. Makes a clean cut and on account of the design, the limb cannot slip. Handles held firm by two steel bands tightly riveted.

Full length, 25 1/2 inches; length of handles, 20 inches; shipping weight, 3 1/4 lbs.; Price, F. O. B. Phoenix, Ariz...\$7.50

Acme Tree Pruner

The best in a low priced pruner, made of good steel with hollow ground blade. Shear is light in weight and gives a good clean cut.

Full length, 25 inches; length of handles, 19 inches; shipping weight, 2 1/2 lbs.; Cost each, F. O. B. Phoenix, Arizona...\$3.00

Grape Thinning Shears

No. 7436—Made of solid steel, and best designed tool for this purpose. Length 7 inches. Price each, postpaid.....\$1.00

Wiss Grape Thinning Shear

No. C-4—Length, 7 1/2 inches. Shear of sturdy construction, with curved oval blades full polished and made for long service. Price, postpaid, each.....\$1.25

Citrus Clipper

Harvey No. 20—Length, 5 inches. Each, postpaid.....\$1.75
Chrome steel, Hardened and tempered, nickel-plated head, fitted with leather strap to prevent falling out of the hand.

Citrus Picking Bags

No. 5—1/2 box size, \$2.50.....\$2.65 Postpaid
No. 5—3/4 box size, \$2.75.....\$2.90 Postpaid
No. 5—4/4 box size, \$3.00.....\$3.15 Postpaid

These bags are constructed of heavy canvas, with extra heavy canvas reinforcements at top of bag, also at bottom. This bag can be used for picking other fruits. Empties at bottom when supporting strap is released from snap holder. This bag is a favorite among the citrus pickers.

Pruning Saws

Disston's Tyler Pattern.

No. 38—Length of blade, 12 inches. Each, Postpaid....\$1.50

Polished crucible steel blade, beech wood handle, saw cuts on the pull stroke, handle is fitted with wing nut tightener on the bolt allowing blade to be adjusted different angles, also locks blade in handle when closed.

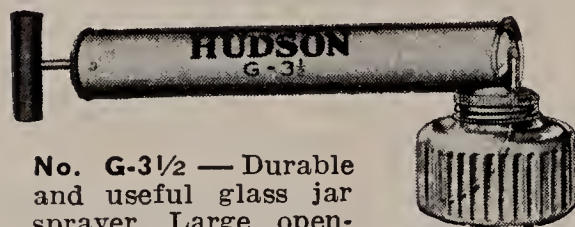
Pruning Saws

Duplex Pattern.

No. 40—Length of blade, 16 inches. Each, postpaid....\$1.65

Polished crucible steel blade, one edge has lightning teeth for sawing soft wood; other edge with plain teeth for hard wood. Has beechwood handle, secured to blade by three brass screws.

Sprayers and Dusters



No. G-3 1/2 — Durable and useful glass jar sprayer. Large opening makes easy filling and cleaning. Curved syphon tube permits use in almost vertical position even when nearly empty. Capacity 4 ounces. Shipping weight, 2 pounds. Price: 25c each, F. O. B. Phoenix.

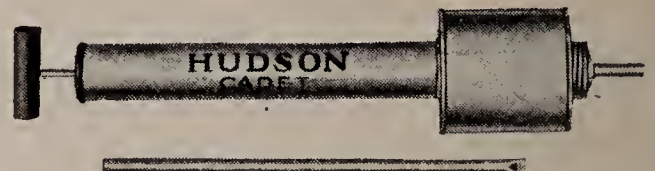
Tip Top Duster

The Tip Top Duster is unquestionably the ultimate in satisfactory performance, it is a real duster that will effectively apply all powders, dust, and sulphur, in the most scientific and economical manner. The working parts of the Tip Top are so arranged that they may be quickly and easily removed, the grinding or agitating system is so constructed that it maintains a steady even flow of material without a break which is so important for effective application.

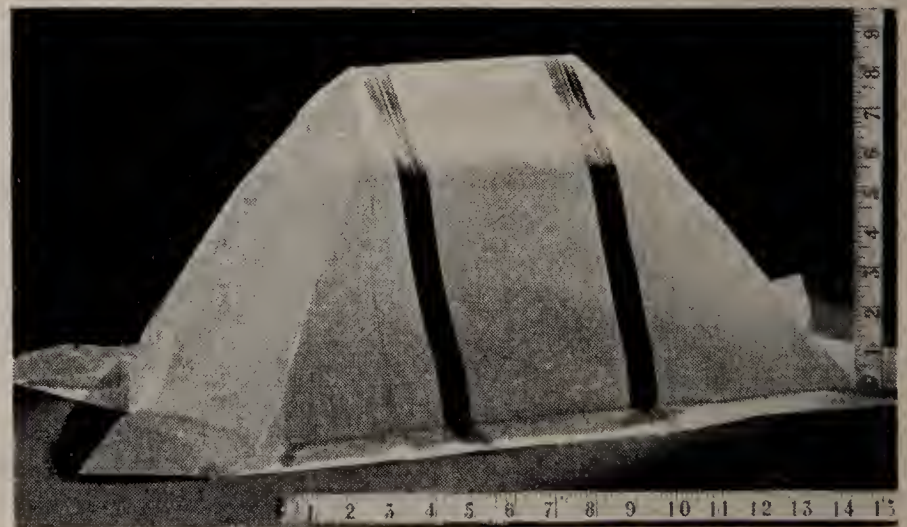


For real satisfaction use a Tip Top. Capacity, 22 pounds. Price: \$17.50, F. O. B. Phoenix.

Hudson Cadet Duster



The Hudson Cadet Duster is adapted for use with all insect powders. Because of its size and efficiency, it is a favorite with the housewife in applying roach, ant, and various bug powders. It is frequently used around restaurants, soda fountains, offices, stores, etc. Price, 50c, F. O. B. Phoenix.



Hotents

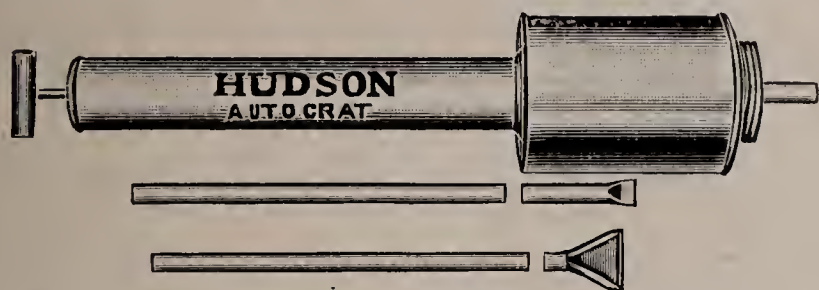
Large and Strong—Will Protect Plants for a Long Period

HOTENTS—Note size—are extra strong, supported by wires attached to paper. Will protect plants for a long period. Easily ventilated and quickly set in field. Price: 500 lots \$6.00; 1,000 lots \$12.00; F. O. B. Phoenix.

Setter for Hot Tent, \$2.00 F. O. B. Phoenix.

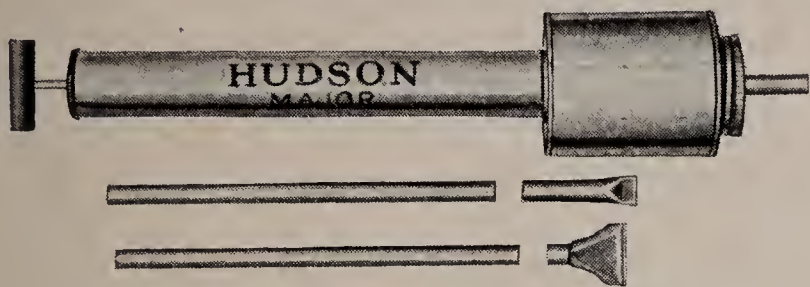
Sprayers and Dusters

Hudson Autocrat Duster No. 667



This pattern is similar in mechanical principle to the No. 665, but has larger container and correspondingly greater capacity. Specially designed air draft guides provide agitation and prevent clogging. Sturdy handle makes carrying convenient. Has same discharge equipment as No. 665. Adapted for same work, but on larger scale. Shipping weight 2½ pounds. \$2.50, F. O. B. Phoenix.

Major Duster



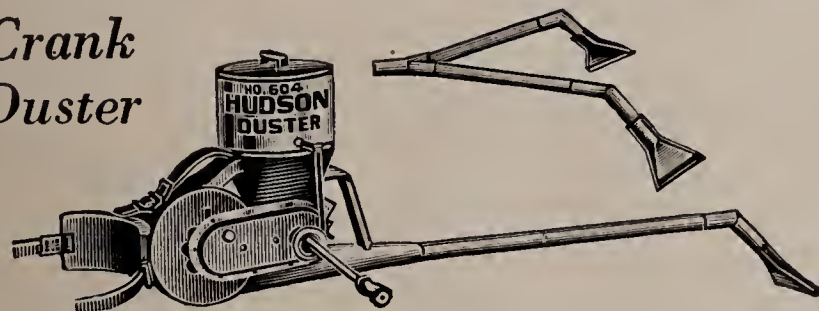
Hand type. Powder reservoir 5 in. long, 2¾ in. in diameter. Special strainer prevents clogging. Comes complete with two 12-in. extensions and two tips, as illustrated. Shipping weight, 2 pounds. No. 665—Major Duster; F. O. B. Phoenix, \$1.25 each.



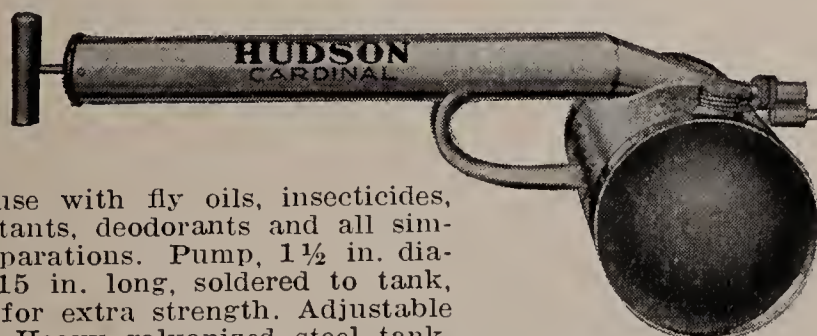
Hudson Patrol Duster No. 612

A favorite for back yard gardens, small truck farms, poultry houses, etc. Never clogs. Patented air ducts provide positive agitation. Reversible elbow permits reaching under side of objects to be dusted. Container is specially designed quart glass jar. Shipping weight, 4 pounds. F. O. B. Phoenix, \$1.35 each.

Crank Duster

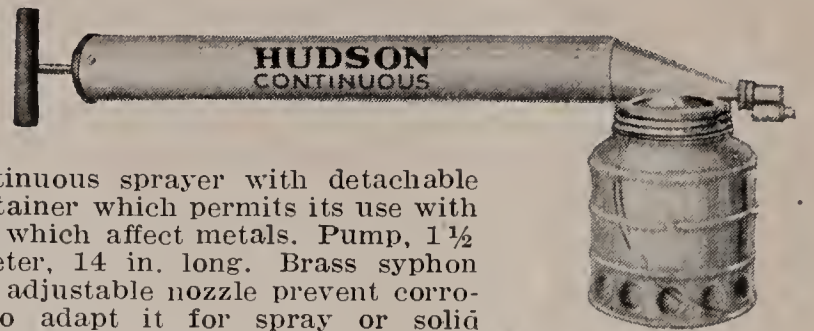


No. 604—Capacity 5 to 10 pounds. Will handle any powder, either light or heavy, for one or two row work. Equipment can be arranged to dust plants from any angle desired. Shipping weight is 19 pounds. Price F. O. B. Phoenix, \$14.50 each.



For use with fly oils, insecticides, disinfectants, deodorants and all similar preparations. Pump, 1½ in. diameter, 15 in. long, soldered to tank, braced for extra strength. Adjustable nozzle. Heavy galvanized steel tank, 5½x6¾ in., double seamed, thoroughly soldered, air tested and inspected.

No. 435—Cardinal. 3 quart. Each, F. O. B. Phoenix...\$1.60



A continuous sprayer with detachable glass container which permits its use with solutions which affect metals. Pump, 1½ in. diameter, 14 in. long. Brass syphon tube and adjustable nozzle prevent corrosion; also adapt it for spray or solid stream. Jar has wide mouth for easy filling, emptying or cleaning.

No. 427G—Critic. One quart. Each, F. O. B. Phoenix...\$1.25

Hudson Junior Sprayer



A high pressure sprayer of smaller capacity, for the backyard gardener, truck farmer, poultry raiser, etc. Tank 6½x18 inches. Holds 2½ gallons. Seams riveted with brass rivets and heavily soldered. Made of first quality galvanized or copper sheets.

Pump of seamless brass tubing, 1¼x14 inches. Sealed into tank by malleable top cap which screws onto brass tank collar. Malleable "D" pump handle. Fitted with 24 inches discharge hose, 18-inch brass extension rod and brass disc type nozzle. Weight about 9 pounds.

No. 140G Junior—Galv. Tank, 2½ gallons\$5.00

No. 140B Junior — Copper Tank, 2½ gallons.....\$7.00

F. O. B. Phoenix—One in a carton.

Hudson Thrift Sprayer



Convenient size for work around the home, flower garden, truck garden and similar places. Light enough to be conveniently handled by a woman or child, yet sturdy enough for a man. Tank 6½x17 inches. Holds 2 gallons. Double seamed and heavily soldered. Made of first quality galvanized sheets.

Pump of seamless brass tubing 1¼x12 inches. Sealed into tank by pressed steel friction top lock, operated by half turn of malleable pump handle. Fitted with 20 inches of discharge hose, 18 inch curved brass extension rod and brass disc type adjustable nozzle. Weight about 7½ pounds.

No. 120G Thrifty.—Galv. Tank, 2 gallons.....\$4.00

No. 120B Thrifty—Copper Tank, 2 gallons.....\$6.00

F. O. B. Phoenix—One in a Carton.

Hudson Economy Sprayer



Designed to give the purchaser the greatest possible value at an attractive price. Tank 7½x20½ inches. Holds 3¾ gallons. Seams riveted with brass rivets, heavily soldered. Made of first quality galvanized or copper sheets.

Pump of seamless brass tubing, 1¼x14 inches. Sealed into tank by malleable top which screws onto brass collar. Malleable "D" pump handle. Fitted with 24 inches discharge hose, 18 inch brass extension rod and brass disc type adjustable nozzle. Wt. about 11 pounds.

No. 125G Economy—Galv. Tank, 3¾ gallons\$6.00

No. 125B Economy—Copper Tank, 3¾ gallons.....\$8.00

F. O. B. Phoenix—One in a carton.

Pet Stock—Foods, Remedies and Supplies

Bird Foods

Liefgreen's Roller Canary Mixture.
Liefgreen's Parakeet Mixture.
Recleaned Straight Canary Seed.
Dwarf Essex Rape.
Large Yellow Millet.
Small Yellow Millet for Finches.
Hemp Seed.
Sunflower Seed for Parrots—Thoroughly recleaned.
All of the Above Prices: 1 lb., 25c; 10 lbs., \$1.40; postpaid.

Bird Remedies, Specialties, Etc.

Bird Bitters—A tonic for any cage bird. Bottle.....\$.30
Red Gravel—All birds need gravel strewn in the bottom of the cage. Per package..... .30
Silver Gravel30
Orange Color Food—To be fed during the moulting season. It darkens the feathers a beautiful orange color. Package30
Mite Powder—May be used for any cage bird. Package .30
Nesting Food—For the baby birds..... .30
Cuttle Bone—To sharpen the bill..... .10
Cuttle Bone Holders15
Nestling Hair—Makes a comfortable nest..... .15
Defiance Mocking Bird Food—The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks and other soft billed birds. Per tin40
Bird Manna—Each15

Spratt's Bird Supplies

Spratt's Roller Canary Mixture..... .35
Spratt's Parakeet Mixture..... .35
Spratt's Sing Song..... .15
Spratt's Moulting Food..... .35
Canarydyne—An invaluable remedy in the treatment of colds and asthma\$.30
Spratt's Parrot Tonic30
Spratt's Cod Liver Cage Bird Food..... .35
Spratt's Bird Lice Destroyer—For dusting the feathers.. .30
Spratt's Parrot Food—A mixed food for parrots which should be kept before them all the time. Carton.... .35
Spratt's Egg and Fruit Mixture35
Spratt's Canary Leg Bands—Dozen..... .50
Bird Tonic—Large35
Bird Tonic—Small20
Color Food—Red30
Color Food—Orange30
Song Restorer30
Zeke—Dried Flies20

ALL OF THE ABOVE PRICES POSTPAID.

Write for Prices on Dog and Cat Foods Canned and in Bulk.

Free Illustrated Booklet on Request

Spratt's Dog Remedies

Alternative Cooling Tablets.....\$.55
Chorea Tablets55
Constipation Tablets55
Diarrhea Tablets55
Digestive Tablets55
Ear Canker Ointment55
Eczema and Mange Ointment55
Kidney Tablets55
Puppy Tonic and Condition55
Purgative Tablets55
Rheumatism Tablets55
Tonic and Condition Tablets..... .55
Worm Capsules—for Dogs..... .55
Worm Capsules—for Puppies..... .55
Spratt's Dog Soap—White, for fleas..... .30
Spratt's Dog Soap—Antiseptic..... .55
Spratt's Flea Powder..... .30
Spratt's Fevertone Tablets for Distemper..... 1.05
Spratt's Ointment for Mange and Irritations..... .55

Spratt's Cat Remedies

Diarrhoea Tablets55
Special Tablets (Distemper)..... 1.05
Digestive Tablets55

Special Foods for Puppies

Spratt's Puppilac—(Milk) 10 oz..... .65
Spratt's Pepsinated Puppy Meal—12 oz..... .55

Fish Food and Supplies

Aquarium Fish Food.....\$.15
Tropical Fish Food..... .15
Turtle Food15
Wafer Fish Food..... .15
Aquarium Cement..... .60
Dried Ground Shrimp—Per Pound..... 1.00
Natural Aquarium Fish Food—Per Pound..... .40

Catnip Mice

Each15



One Spot Flea Killer

Put on one spot only, is harmless to puppies, and kittens, baby chicks, and poultry. Do not use on Canaries or Parakeets. Dust only one spot the size of animal's footprint. 30c and 55c, postpaid.



"DOGZOFF"

Pulvex Combination Worm Capsules

Two dog worm capsules combined into one. Expels Tape, and Round and Hook Worms in the same dosing without gassing, gagging, or sickening the dog in any way. Absolutely safe; they can only help, never harm. They enable any dog owner to safely and easily worm his dog. 12 capsules in box. Postpaid80c

Pulvex Powder and Soap FOR DOGS AND CATS

Pulvex Powder is based on an entirely different flea-killing principle. Its use always kills all the fleas and lice, instead of only stupefying them, allowing them later to revive and reinfest the animal. Pulvex not only kills the fleas and lice, but keeps them off for 7 days or longer. Absolutely harmless even if swallowed; non-irritating to the skin; Pulvex is ideal for cats and birds as well as dogs. Odorless, easy to use, economical.

Pulvex Flea and Lice Powder—2 oz. shaker can; postpaid 55c.

Pulvex Dog Soap contains the same active flea-killing agent found in Pulvex Flea Powder. Pulvex Dog Soap—In metal container; postpaid55c



Fleischmann's

Irradiated Dry YEAST for DOGS

Gives the coat a beautiful gloss—helps clear up skin disorders—stops itching—builds stronger bones in puppies—prevents rickets.

Simply add a teaspoonful to your dog's daily diet.

PRICES:

3 1/2 oz. can.....\$.25 1 lb. can.....\$.85
8 oz. can..... .50 5 lb. can..... 3.50

PLAN YOUR GARDEN CAREFULLY

for Dependable Field, Flower and Garden Seeds

Pet Stock—Foods, Remedies and Supplies

French's Bird Seed

WITH FREE BIRD BISCUIT

Mixed Bird Seed.....	\$.20	Song Restorer .....	.12
Parrakeet Seed .....	.20	Exercise Ball .....	.12
Bird Biscuit .....	.12	Fish Food .....	.12
Cuttle Bone .....	.07	Parrot Food .....	.30
Bird Tonic .....	.30	Tropical Fish Food.....	.20
Bird Gravel .....	.25	Sunshine Bird Food.....	.30



Bulk Dog Foods

Pratt's Complete Food: 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$2.00; 100 lbs., \$7.50; F. O. B. Phoenix.

Purina Complete Dog Chow in large and small checkers: 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c; 100 lbs., \$9.50; F. O. B. Phoenix.

Spratt's Fibo for young and old Dogs: 1 lb., 15c; 7 lbs., \$1.00; 50 lbs., \$6.50; 100 lbs., \$13.00; F. O. B. Phoenix.

Spratt's Ovals: 1 lb., 15c; 7 lbs., \$1.00; 50 lbs., \$6.50; 100 lbs., \$13.00; F. O. B. Phoenix.

Spratt's Dog Cakes: 1 lb., 15c; 8 lbs., \$1.00; 50 lbs., \$6.50; 100 lbs., \$13.00; F. O. B. Phoenix.

Spratt's Cod Liver Oil Dog Cakes: 1 lb., 15c; 7 lbs., \$1.00; 50 lbs., \$6.50; 100 lbs., \$13.00; F. O. B. Phoenix.

Spratt's Challenge Terrier Meal: 1 lb., 15c; 8 lbs., \$1.00; 50 lbs., \$5.00; 100 lbs., \$10.00; F. O. B. Phoenix.

Spratt's Charcoal Ovals: 1 lb., 15c; 7 lbs., \$1.00; 50 lbs., \$6.50; 100 lbs., \$13.00; F. O. B. Phoenix.

INCLUDE POSTAGE FOR ALL BULK DOG FOODS IF WANTED BY PARCEL POST.

Glover's Imperial Medicines

Puppy Worm Capsules.....	\$.65
Round Worm Vermifuge.....	.65
Round Worm Capsules.....	.65
Tape Worm Capsules.....	.65
Tetrachlorethylene Capsules .....	.65
Condition Pills .....	.65
Iron Tonic .....	.65
Digestive Pills (Protein Digestant).....	.65
Laxative Pills .....	.65
Diarrhoea Mixture (Intestinal Astringent).....	.65
Compound Sulphur Tablets.....	.65
Nerve Sedative .....	.65
Expectorant Mixture .....	.65
Fever Reducer and Stimulant.....	1.00
Cod Liver Oil Concentrate Tablets.....	.65

FOR EXTERNAL USE

Mange Medicine Sarcopic.....	.75
Kennel and Flea Soap.....	.25
Flea and Insect Powder.....	.50
Canker Wash .....	.65
Eye Lotion and Eye Wash Powder (Combination Package).....	.65
Antiseptic Mouth Wash.....	.65
Liniment Ointment .....	.65
Ointment for the Skin.....	.65

Send for Free Booklet on the Care of Your Dog

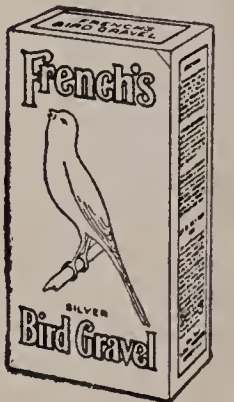
Delcreo Medicines

Dog Soap	\$.30
Delcreo for Distemper.....	1.55
Delcreo Soluble Sulphur Compound (Internal).....	1.05
Delcreo Soluble Sulphur Compound (Internal).....	.65
Delcreo Soluble Sulphur Compound Bath.....	1.05
Delcreo Soluble Sulphur Compound Tablets.....	1.05
Delcreo Tapeworm Tablets for Puppies.....	.80
Delcreo Eye Lotion.....	.65
Delcreo Laxative .....	.40
Delcreo Ointment, 4-oz.....	1.55
Delcreo Roundworm Tablets for Dogs.....	.70
Delcreo Tapeworm Tablets for Dogs.....	.80
Delcreo Roundworm Tablets for Puppies.....	.70

Dog Accessories

Cedar Bedding, 5 lb. bag.....	\$.65
Duplex Dog Stripper.....	1.60
Rubber Dog Bones .....	.30
Rubber Dog Balls.....	.30
Imported Dog Strippers.....	2.10
No. 1 Wire Slicker Brush.....	.85
Registration Blanks for Litter and Individual:	
Registration Blanks for Litter.....	Free
Registration Blanks for Dog.....	Free
Pedigree Blanks, Each.....	.05
15-ft. Tye Out Chain (Nickel Plated).....	.65
20-ft. Tye Out Chain (Plain Finish).....	.65
White Cleaning Chalk, Block.....	.55
White Cleaning Powder, Tin.....	.35
One Spot Flea Powder.....	.30 and .55

ABOVE PRICES ARE POSTPAID, UNLESS OTHERWISE STATED.



Liefgreen's Guide for Insect Pests of the Farm, Garden and Home

The insects which injure plants in the garden or field have different methods of doing their damage, and it is



necessary to know to which class an insect belongs before one can take remedial

measures against it. Roughly there are two classes; the chewing and the sucking insects. When a person is suspicious that insects are injuring a plant it should be first examined to determine which type or class is present.

If actual portions of the plant are eaten, the chewing type of insect is guilty and one of the arsenical poisons should be used, such as Lead Arsenate, Paris Green, etc.

When no material part of the plant is removed, but the leaves or stems show speckled, whitish and brown or yellow areas, the sucking type is very apt to be injuring the plant. Insecticides such as Nicotine and pyrethrum sprays and dusts which kill by coming in contact with the body of the bugs are necessary to use for this type.

Insects in the Vegetable Garden

ON BEANS

MEXICAN BEAN BEETLE—A yellow beetle almost one-fourth of an inch long, with sixteen black spots on the back. Young work on the underside of the leaves. Use Sodium Fluosilicate and Lime.

THRIPS—Very small, lice-like insects, yellow or brown or black. Work in the flowers or on the leaves, where they make shiny whitened areas. Use Tobacco or pyrethrum Compounds as a spray or dust when on leaves or flowers.

ON CABBAGE

APHIS—A gray green plant louse. Use Nicotine or pyrethrum dust or spray.

CABBAGE BUTTERFLY—The worms of this butterfly that feed on cabbage and Cauliflower and related plants are soft, smooth, green caterpillars, that sometimes are especially injurious. Two pounds Lead Arsenate, two pounds Fish-oil Soap in 50 gallons of water is a recommended spray. Or dust with one pound Lead Arsenate mixed with five pounds hydrated Lime or 2 pounds of Dutox to 5 pounds of Tale. Do not use Dutox with Lime. We also recommend Fluocide (a ready mixture and non arsenical).

DIAMOND BLACK MOTH—A small worm about one-half inch long which feeds on Cabbage and Cauliflower, eating small holes in the leaves and spinning small white cocoons on the leaves. Spray with Black Leaf 40, using 1 pint to 75 gallons of water with 3 or 4 pounds fish oil soap for a spreader.

ON CANTALOUPE

THE TWELVE-SPOTTED CUCUMBER BEETLE—A green insect one-fourth of an inch long with twelve black spots on the back. This insect damages all parts of the vine, the young live in the ground and are injurious to the roots. Control the adults with Sodium Fluosilicate and Lime.

THE STRIPED CUCUMBER BEETLE — This beetle is also about one-fourth of an inch in length, but is yellow with three black stripes. It feeds like the Twelve-spotted Cucumber Beetle and the control is the same. Heretofore, trying to kill them with the ordinary poisons has been unsuccessful; but the Sodium Compound or Dutox, when properly applied, will get nearly a complete kill.

APHIS—The melon aphis is a small, soft, green plant louse that is very injurious to cantaloupes. A fresh Nico-Dust of 2½ per cent Nicotine strength, or a pyrethrum compound Dust, carefully applied, is the best.

ON CORN

CORN EAR WORM—This is a very difficult pest to control, but good success is possible on sweet corn by dusting with Lead Arsenate every seven days when the corn is in the silk.

ON CUCUMBERS

The same pests attack cucumbers as cantaloupes, and the control measures are the same.

ON LETTUCE

CUTWORMS—Several different kinds of cutworms attack lettuce. The majority of them can be controlled by the use of a poison bait especially formulated for cutworms.

GRASSHOPPERS—For grasshoppers attacking lettuce, use the standard grasshopper poison bran bait. See us for formula.

ON MELONS

The insects found attacking cantaloupes are also enemies of melons and the same methods and poisons should be used against them.

ON ONIONS

THRIPS—This is the worst pest of onions. It is a very small, louse-like insect, light yellowish in color, that feeds down between the leaves causing them to turn white. It is difficult to control successfully, but very good results can be obtained by fumigating with Calcium Cyanide or Nico-Dust under long hoods that are dragged over the rows.

ON PEAS

PEA APHIS—A large green plant louse. Use a contact insecticide when they first appear on the plants, repeating every ten days until controlled or all peas have been harvested.

ON POTATOES

COLORADO POTATO BEETLE — A large beetle, yellow with black stripes. The young are orange yellow. Use 2 pounds Lead Arsenate, in 50 gallons of water.

ON SPINACH

FLEA BEETLES—These are small shiny black beetles that fly rapidly when disturbed. Because of the danger of poisoning, the arsenicals cannot be used, and it is necessary to treat with a very strong contact insecticide such as the Nicotine or Pyrethrum compounds.

Common Insects in the House

ANTS—For the small black or red ant that infests the house and gets into the refrigerator, sink, etc., bait by setting out Antrol. This has proved 100% effective where tried and is the cleanest and simplest of methods.

COCKROACHES—Spread Sodium Fluoride or Sodium Fluosilicate about where the roaches are in the habit of traveling. This will rid the house of them in less than a week.

TERMITES—For information on control call us or write to the State Entomologist, the University of Arizona or the County Agricultural Agent.



Common Insects in the Flower Garden

ANTS—The large red Harvester Ant will attack almost every living thing growing near to its nest, besides being troublesome because of its bite and sting. Calcium Cyanide is the best poison to use in the control of this pest. Use four to five tablespoonsful per nest, digging a hole in the center of the mound 16 to 18 inches deep and placing the Cyanide in the bottom and covering over tightly with soil, as the gas is lighter than air.

APHIS OR PLANT LICE — There are many kinds of aphis that injure flowers in the garden. They may be reddish, green or black, and be with or without wings. Roses, Stock, and Sweet Peas are especially subject to attack. Control with a Nicotine or Pyrethrum Spray or Dust.

CUTWORMS—They attack many young plants in the Spring and early Summer. If the plant is cut off at the surface of the ground or the roots eaten, put out the cutworm bait, scattering it thinly along the rows affected. There are some cutworms, however, that climb the plants at night, eating the leaves. For this insect, spray or dust with Lead Arsenate, Calcium Arsenate, Dutox or Fluocide.

LACEWING BUG—This is an especial pest of Hollyhocks. It works on the under sides of the leaves, turning them a brown or yellow color. Spray with a Nicotine or Pyrethrum Compound, taking pains to get the poison on the under side of the leaves.

THRIPS—This insect bothers roses, particularly in the Spring. Spray thoroughly with a Nicotine or Pyrethrum Spray.

GRASSHOPPERS—These are especially injurious to Zinnias in late Summer and Fall. Use the poison bran bait.

Liefgreen's Monthly Planting Guide

FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES.

For the colder sections of Arizona the time of planting should be determined by weather conditions. In Northern Arizona and in the higher altitudes most of the varieties listed here should be planted in the Spring, after all danger of frost.

January Planting List

VEGETABLE SEEDS—Asparagus, Beets, Cabbage Plants, Carrots, Cauliflower Plants, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Potatoes, Radishes, Rhubarb Roots, Spinach, Turnips, Strawberry Plants.

FLOWER SEEDS—African Daisy, Bachelor Button, Calendula, Calliopsis, Candytuft, Carnation, Centaurea, Cosmos, Coreopsis, Double Daisy, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Moon Vine, Mignonette, Nemophila, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Shasta Daisy, Stocks, Snapdragon, Sweet Alyssum, Sweet Peas, Virginia Stocks, Verbena, Venidium Fastuosom.

BULBS—Amaryllis, Canna, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Jonquils, Hyacinths, Oxalis, Paper White Narcissus, Tulips, Ranunculus, Tuberoses.

LAWN SEEDS—Blue Grass, Rye Grass, White Dutch Clover.

FIELD SEEDS — Alfalfa, Barley, Oats, Rye, Wheat, Sweet Clover.

February Planting List

VEGETABLE SEEDS — Asparagus Roots, Beets, Cabbage Plants, Carrots, Collards, Cress, Endive, Kale, Kohlrabi, Lettuce, Mustard, Okra, Onion Sets, Parsley, Parsnips, Peas, Peppers in Hot Beds, Irish Potatoes, Sweet Potatoes, Tubers in Beds, Radish, Salsify, Squash, Tomatoes, Turnips.

VEGETABLE PLANTS—Artichoke, Egg Plant, Pepper, Rhubarb, Tomato in the warmest sections.

FLOWER SEEDS — Asters, African Daisy, Bachelor Button, Balsam, Calendula, Carnation, Candytuft, Calliopsis, Centaurea, Coreopsis, Cosmos, Cockscomb, Evening Primrose, Four-o'clock, Gaillardia, Gypsophila, Gerbera Geum, Hollyhocks, Helichrysum, Kochia, Lantana, Larkspur, Linaria, Lobelia, Marigold, Moon Vine, Morning Glory, Nemophila, Nigella, Nasturtium. Other Vine Seeds, Pansy, Petunia, Pinks, Scarlet Flax, Shasta Daisy, Statice, Snapdragon, Sweet Alyssum, Sweet Peas, Sweet Sultan, Tithonia Speciosa, Virginia Stocks, Verbena, Venidium Fastuosom.

BULBS—Amaryllis, Caladium, Canna, Calla Lily, Chinese Lily, Gladiolus, Hyacinth, Madeira Vine, Tuberoses, Queen's Wreath.

LAWN SEEDS—Bermuda, Blue, Rye, White Dutch Clover.

FIELD SEEDS—Alfalfa, Barley, Oats, Sweet Clover, Wheat. Set out Fruit Trees, Rose Bushes and Shrubbery.

March Planting List

VEGETABLE SEEDS—Asparagus Roots, Beans, Beets, Carrots, Collards, Corn, Cress, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Mustard, Okra, Onion Sets, Peas, Pepper, Peanuts, Irish Potatoes, Sweet Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato Seed.

VEGETABLE PLANTS — Artichoke, Egg Plant, Pepper, and Tomato.

FLOWER SEEDS—All Vine Seeds, Balsam, Cockscomb, Cosmos, Four-o'clocks, Gerbera Geum, Gaillardia, Gomphrenia, Helichrysum, Hollyhock, Kochia, Larkspur, Lantana, Marigold, Morning Glory, Nasturtium, Petunia, Portulaca, Scarlet Flax, Sweet Alyssum, Tithonia Speciosa, Verbena, Zinnia, Venidium Fastuosom.

BULBS—Canna, Caladium, Calla Lily, Gladiolus, Maderia Vine, Tuberoses, Queen's Wreath.

LAWN SEEDS—Bermuda Grass.

FIELD SEEDS—Alfalfa, Sweet Clover. Set out Fruit Trees, Rose Bushes and Shrubbery.

April Planting List

VEGETABLE SEEDS—Asparagus Roots, Beans, Beets, Celery, Corn, Cucumber, Egg Plant, Endive, Kale, Kohlrabi, Leek, Melons, Okra, Peanuts, Irish Potatoes in high altitudes, Sweet Potatoes, Pumpkin, Radish, Squash.

VEGETABLE PLANTS—Artichoke, Egg Plant, Pepper, Rhubarb, Tomato.

FLOWER SEEDS—African Marigold, Cosmos, Gaillardia, Gerbera Geum, Hollyhocks, Morning Glory, All Vine Seeds, Portulaca, Zinnia, Tithonia Speciosa.

LAWN SEEDS—Bermuda Grass.

FIELD SEEDS—Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghum, Sudan Gass, Bermuda Grass.

May and June Planting List

VEGETABLE SEEDS—Beets, Kale, Melons, Peanuts, Pumpkin, Sweet Potato Plants, Squash.

FLOWER SEEDS—African Marigold, Cosmos, Morning Glory, Portulaca, Tithonia Speciosa, Vine Seed, Zinnia.

FIELD SEEDS—Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghums, Sudan Gass, Bermuda Grass for lawn and pasture.

July Planting List

VEGETABLE SEEDS—Brussels Sprouts, Cabbage Seed, and Cauliflower Seeds in shaded bed, Casaba, Corn, Peanuts, Pumpkin, Squash.

FLOWER SEEDS—Cosmos, Portulaca, Morning Glory, Tithonia Speciosa, Vines, Zinnia.

FIELD SEEDS — Bermuda Grass, Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass.

August Planting List

VEGETABLE SEEDS—Beans, Beets, Cabbage, Carrots, Cauliflower, Corn, Cucumber, Kale, Peas, Pumpkin, Squash, Turnips.

FLOWER SEEDS — Cosmos, Nasturtium, Phlox, Portulaca, Tithonia Speciosa, Virginia Stocks, Zinnia.

FIELD SEEDS—Bermuda Grass, Corn, Cowpeas, Millet, Pink Beans to August 10, Sudan Grass.

September and October Planting List

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Collards, Cress, Endive, Garlic Sets, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Salsify, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage and Cauliflower.

FLOWER SEEDS—African Daisy, Bachelor Button, Calendula, Candytuft, Carnation, Calliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Alyssum, Sweet Peas, Sweet William, Verbena, Virginia Stocks, Venidium Fastuosom.

LAWN SEEDS—Bermuda Grass, Blue Grass, Rye Grass, White Clover, Poa Trevialis, Bent Grass, Red Top.

FIELD SEEDS—Alfalfa, Barley, Oats, Winter Rye, Wheat.

November and December Planting List

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Endive, Garlic Sets, Kale, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage and Cauliflower.

FLOWER SEEDS—African Daisy, Calendula, Candytuft, Carnation, Calliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Peas, Verbena, Virginia Stocks, Venidium Fastuosom.

LAWN SEEDS—Blue Grass, Rye Grass, White Clover, Poa Trevialis, Bent Grass, Red Top.

BULBS—Amaryllis, Calla Lily, Chinese Lily, Sol de Or (Yellow Chinese Lily), Daffodils, Freesias, Gladiolus, Hyacinths, Dutch Iris, Jonquils, Oxalis, Paper White Narcissus, Ranunculus, Tulips.

FIELD SEEDS—Alfalfa, Barley, Oats, Winter Rye, Wheat.

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GOOD SEEDS are the First Essential of Successful Growing

To Our Present and Future Customers:

This annual catalog of the LIEFGREEN SEED COMPANY, is one medium of contact between the grower and this institution. Through it you can get SEED OF SUPERIOR QUALITY—the greatest assurance of crop success.

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Seeds cannot be proven before planting. The test of seeds is in the crop and seeds must be bought on faith. Therefore it is wise to buy your seeds from a firm built on the experience and integrity of the men of which it is composed.

BERT LIEFGREEN is well known as an expert throughout the Southwest. He has had a lifelong experience in the growing and retailing of flower, vegetable and field seeds, bulbs and nursery stock, as well as in general horticultural

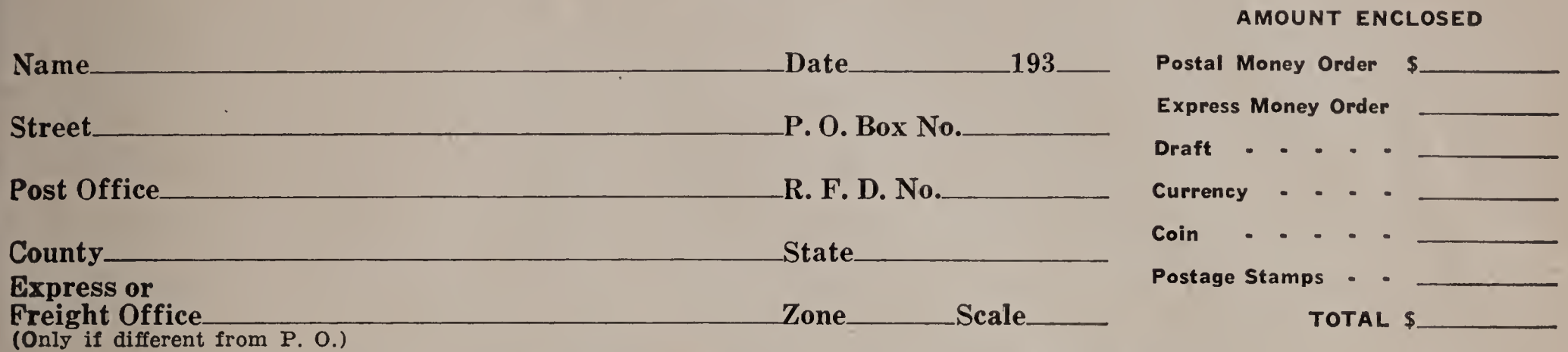
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We give no warranty express or implied as to description, purity, production or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop. When mentioned, purity and germination tests are for information only and without guarantee.—Liefgreen Seed Co.

[illegible]

PLEASE SEE NOTICE ON REVERSE SIDE

[illegible]

SPECIAL NOTICE:—We shall esteem it a great favor if you will give us below, the names and addresses of any of your friends who are interested in gardening. We wish to send them our catalogue.

[illegible]

PLANTING CHART

Kind of Vegetable	Seeds or Roots Required for 100 Feet of Drill	One Acre	Distances for Plants to Stand			Depth of Planting	Ready for Use After Planting —About	
			Rows Apart		Plants Apart in Rows			
			Horse Cultivation	Hand Cultivation				
Asparagus—Seed.....	1 ounce.....	10 lbs.....	30 to 36 in....	1 to 2 ft....	3 in.....	1 in.....	2 years	
Asparagus Roots.....	60 to 80 roots.....		3 to 5 ft.....	12 to 24 in....	15 to 20 in....	3 to 5 in.....	1 year	
Beans, Dwarf.....	1¼ lbs.....	80 to 125 lbs.....	30 to 36 in....	18 to 24 in....	2 in.	1 to 3 in.....	42 to	75 days
Beans, Pole.....	½ lb.....	40 lbs.....	3 to 4 ft.....	3 to 4 ft.....	12 in.....	1 to 3 in.....	72 to	90 days
Beets.....	2 ounces.....	6 lbs.....	28 to 36 in....	12 to 18 in....	2 in.....	1 in.....	45 to	60 days
Brussels Sprouts.....	3 pkts.....	2 ounces.....	30 to 36 in....	24 to 30 in....	16 to 24 in....	½ in.....	100 to	120 days
Cabbage—Early.....	3 pkts.....	½ lb.....	30 to 36 in....	24 to 30 in....	12 to 18 in....	½ in.....	90 to	110 days
Cabbage—Late.....	3 pkts.....	½ lb.....	30 to 40 in....	24 to 36 in....	16 to 24 in....	½ in.....	110 to	120 days
Carrot.....	1 ounce.....	4 lbs.....	30 to 36 in....	18 to 24 in....	2 in.....	½ in.....	55 to	80 days
Cauliflower.....	3 pkts.....	2 ounces.....	30 to 36 in....	24 to 30 in....	14 to 18 in....	½ in.....	120 to	150 days
Collards.....	3 pkts.....	¼ lb.....	30 to 36 in....	24 to 30 in....	14 to 18 in....	½ in.....	100 to	120 days
Corn—Sweet.....	½ lb.....	10 lbs.....	36 to 42 in....		18 in.....	1 in.....	55 to	90 days
Cress, Water.....	4 pkts.....		Broadcast.....	10 to 36 in....		Under water	60 to	70 days
Cucumber.....	½ ounce.....	2 lbs.....	4 to 6 ft.....	4 to 6 ft.....	4 every 3 ft.	1 in.....	50 to	70 days
Egg Plant.....	2 pkts.....	¼ lb.....	30 to 36 in....	24 to 30 in....	18 in.....	½ in.....	125 to	140 days
Endive.....	1 ounce.....	2 lbs.....	30 in.....	18 in.....	12 in.....	½ in.....	100 days	
Horse Radish.....	70 roots.....		30 to 40 in....	24 to 30 in....	20 in.....	3 to 4 in.....	1 year	
Kale, or Borecole.....	3 pkts.....	1 lb.....	30 to 36 in....	18 to 24 in....	18 in.....	½ in.....	55 to	60 days
Kohl-rabi.....	3 pkts.....	1 lb.....	30 to 36 in....	18 to 24 in....	6 in.....	½ in.....	55 to	70 days
Leek.....	½ ounce.....	4 lbs.....	30 to 36 in....	14 to 20 in....	4 in.....	½ in.....	120 to	150 days
Lettuce.....	½ ounce.....	2 lbs.....	30 in.....	12 to 18 in....	6 in.....	½ in.....	70 to	90 days
Muskmelon.....	½ ounce.....	2 lbs.....	6 to 8 ft.....	6 to 8 ft.....	4 every 4 ft.	1 in.....	85 to	150 days
Watermelon.....	1 ounce.....	3 lbs.....	8 to 12 ft.....	8 to 12 ft.....	4 every 6 ft.	1 in.....	100 to	130 days
Mustard.....	3 pkts.....	1 lb.....	30 to 36 in....	12 to 18 in....	4 or 5 to ft..	¼ in.....	60 to	90 days
New Zealand Spinach.....	1 ounce.....	8 lbs.....	36 in.....	24 to 36 in....	12 in.....	1 to 2 in.....	60 to	100 days
Okra.....	2 ounces.....	8 lbs.....	4 to 5 ft.....	3 to 4 ft.....	24 in.....	1 in.....	90 to	140 days
Onion—Seed.....	1 ounce.....	3 lbs.....	24 to 36 in....	12 to 18 in....	2 in.....	½ in.....	125 to	150 days
Onion—Sets.....	1 qt. of Sets.....	50 lbs.....	24 to 36 in....	12 to 18 in....	4 or 5 to ft..	1 in.....	100 days	
Parsley.....	3 pkts.....	3 lbs.....	24 to 36 in....	12 to 18 in....	3 in.....	⅛ in.....	65 to	90 days
Parsnip.....	½ ounce.....	3 lbs.....	30 to 46 in....	18 to 24 in....	2 in.....	½ in.....	130 days	
Peas.....	1 lb.....	60 lbs.....	3 to 4 ft.....	20 to 36 in....	1 in.....	1 in.....	45 to	75 days
Pepper.....	2 pkts.....	2 ounces.....	30 to 46 in....	18 to 24 in....	15 in.....	½ in.....	130 to	150 days
Potatoes—Irish.....	5 lbs.....	16 bu.....	30 to 36 in....	24 to 36 in....	14 in.....	4 in.....	90 to	150 days
Potatoes—Sweet.....	3 lbs. (or 75 slips)		3 to 5 ft.....	3 to 5 ft.....	14 in.....	3 in.....	150 days	
Pumpkin.....	½ ounce.....	4 lbs.....	8 to 12 ft..	8 to 12 ft.....	4 every 6 ft.	1 in.....	75 to	90 days
Radish.....	1 ounce.....	10 lbs.....	24 to 36 in....	12 to 18 in....	1 in.....	½ in.....	20 to	75 days
Rhubard—Seeds.....	½ ounce.....		36 in.....	30 to 36 in....	2 in.....	½ to 1 in.....	3 years	
Rhubard—Roots.....	33 roots.....		3 to 5 ft.....	3 to 5 ft.....	3 in.....	2 to 3 in.....	1 year	
Rutabaga.....	3 pkts.....	2 lbs.....	30 to 36 in....	18 to 24 in....	6 in.....	½ to 1 in.....	90 days	
Salsify.....	1 ounce.....	8 lbs.....	30 to 36 in....	18 to 24 in....	2 in.....	½ in.....	150 days	
Spinach.....	1 ounce.....	20 lbs.....	30 to 36 in....	12 to 18 in....	2 in.....	1 in.....	45 days is min.	
Squash—Summer.....	½ ounce.....	4 lbs.....	3 to 4 ft.....	3 to 4 ft.....	4 every 4 ft..	1 in.....	65 to	70 days
Tomato.....	2 pkts.....	1½ ounces.....	3 to 5 ft.....	3 to 4 ft.....	3 every 4 ft.	½ in.....	125 to	150 days
Turnip.....	1 ounce.....	1 lb., sown..... broadcast 3 lbs.	24 to 36 in....	18 to 24 in....	2 in.....	¼ in.....	45 to	90 days

NUMBER OF PLANTS TO AN ACRE
SET AT REGULAR DISTANCE APART

Distance Apart	Plants No.	Distance Apart	Plants No.	Distance Apart	Plants No.	RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.
3 in. by 4 in.....	522,720	3 ft. by 3 ft.....	4,840	5 ft. by 5 ft.....	1,742	
4 in. by 4 in.....	393,040	3 1/2 ft. by 3 1/2 ft....	3,555	5 1/2 ft. by 5 1/2 ft....	1,440	
6 in. by 6 in.....	174,240	4 ft. by 1 ft.....	10,890	6 ft. by 6 ft.....	1,200	
1 ft. by 1 ft.....	43,560	4 ft. by 2 ft.....	3,630	6 1/2 ft. by 6 1/2 ft....	1,031	
1 1/2 ft. by 1 1/2 ft....	19,360	4 ft. by 4 ft.....	2,722	7 ft. by 7 ft.....	888	
2 ft. by 1 ft.....	21,780	4 1/2 ft. by 4 1/2 ft....	2,150	8 ft. by 8 ft.....	680	
2 ft. by 2 ft.....	10,890	5 ft. by 1 ft.....	8,712	9 ft. by 9 ft.....	537	
2 1/2 ft. by 2 1/2 ft....	6,960	5 ft. by 2 ft.....	4,356	10 ft. by 10 ft.....	435	
3 ft. by 1 ft.....	14,520	5 ft. by 3 ft.....	3,904	11 ft. by 11 ft.....	360	
3 ft. by 2 ft.....	7,260	5 ft. by 4 ft.....	2,178	12 ft. by 12 ft.....	302	
TEXAS PRINTING HOUSE—HORTICULTURAL DEPT.—DALLAS						



LIEFGREEN



Superior Flower Seed
PLANTS...BULBS